

WU

THE COOPER UNION

CABLE^{no.} 77

p for classes. Many more swarmed to the free Reading Room and to the educational events of the Great Hall.

Founding of The Cooper Union,
140 years ago,

proclaimed a passionate love affair with New York City.

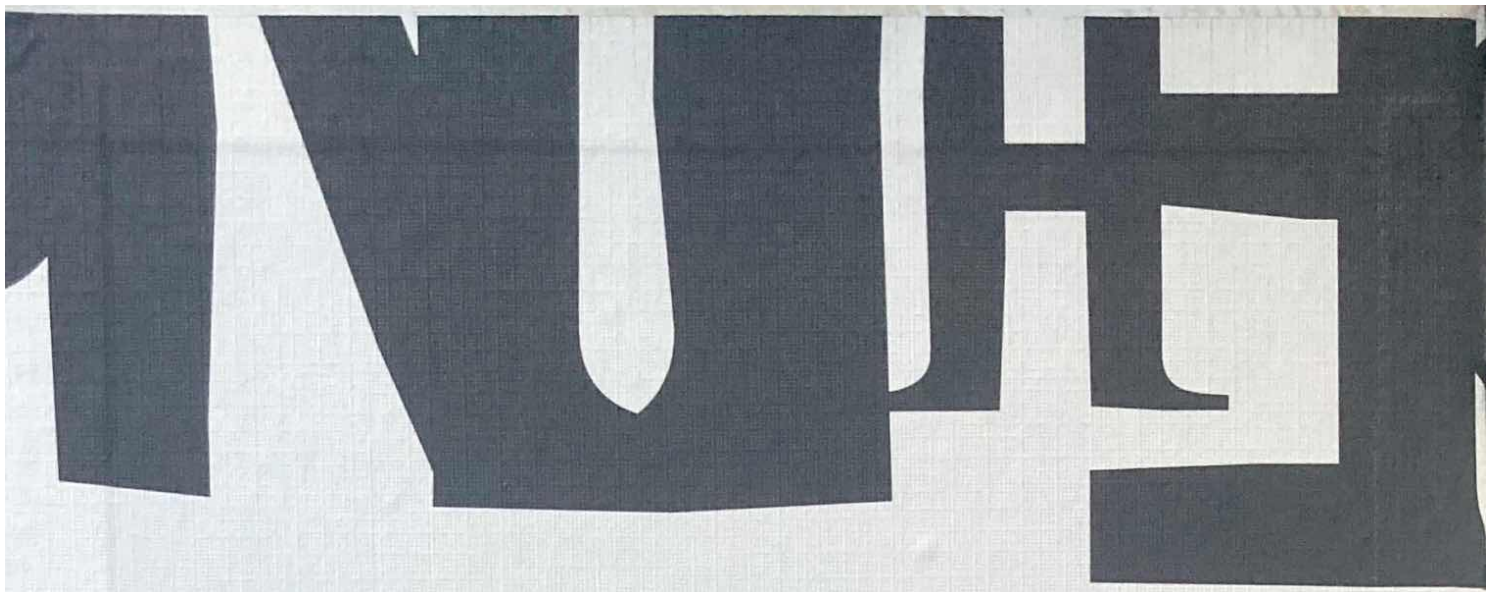
To this day, the medley of outreach programs, extension courses,

public exhibitions, design publications and vibrant gatherings are testimonial to the institution's intimate relationship v

Seven score years after its inception, the Union

pioneering design, generations of its students ratified their College's urbanity. Your own years of learning have richly embellished Cooper's comm

T
a
bi
pa
to



Urban involvement does not cease with graduation.
In truth, your engagement is just beginning.

Cooper Union alumni have repeatedly proven to be m
In receiving their hard-earned diplomas,
graduates have metaphorically accepted
sword and shield to fight for their City.

And, like Athenians of old, Cooper's sons and daughters have taken a spiritual oath
to leave their metropolis better and stronger than they found it.

On its 140th anniversary, The Cooper Union renews that vow.

WORLD

Your rewarding hours of fighting triumphantly for the City are commencing.

ge Athenians.

Your memorable gift to the College will be your creative urbanity, exemplified by elevated citizenship and inspired leadership.

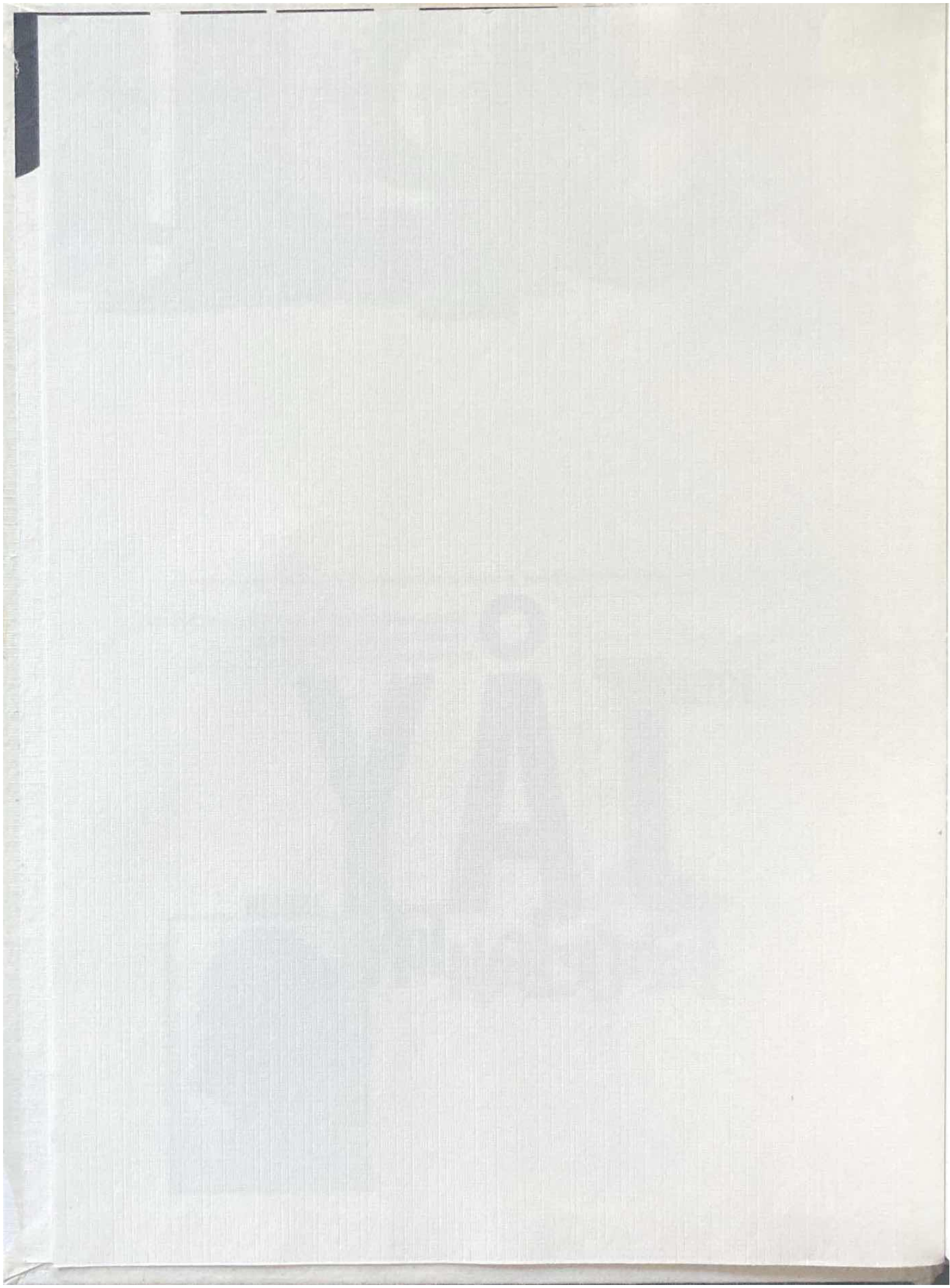
JOHN ^{President}

JAY

THE COOPERATION

ISELIN





The CLASS OF
1999

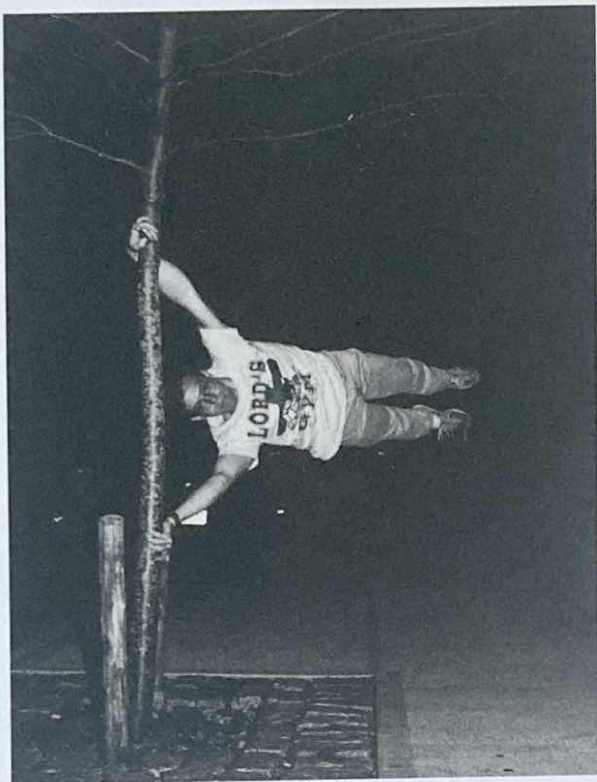


MILOŠ

PÄVLOVIC

Dedicated to those whose love kept me going and who had enough courage to believe in me.



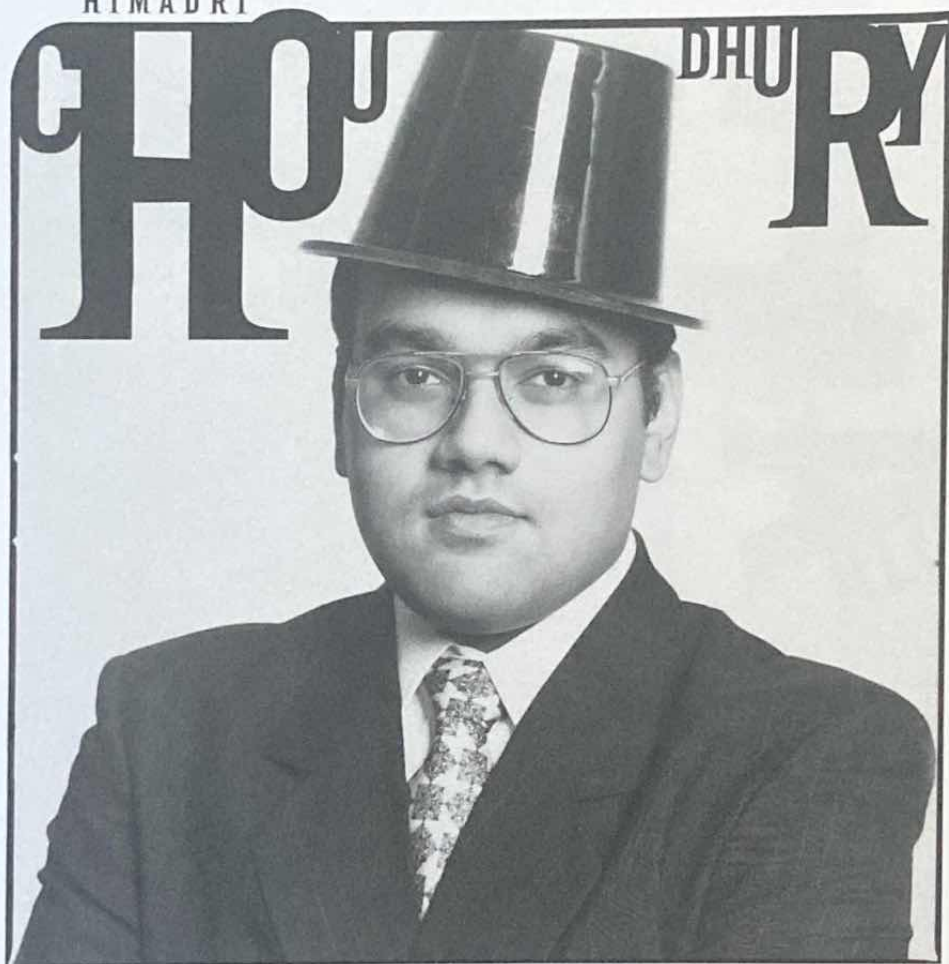


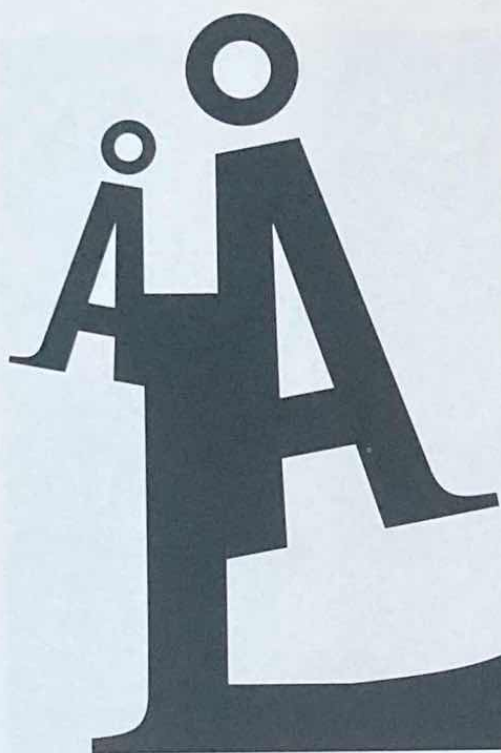
I have come that they might have life, and have it to the full.

Jesus Christ (John 10:10)

JOHN DENING

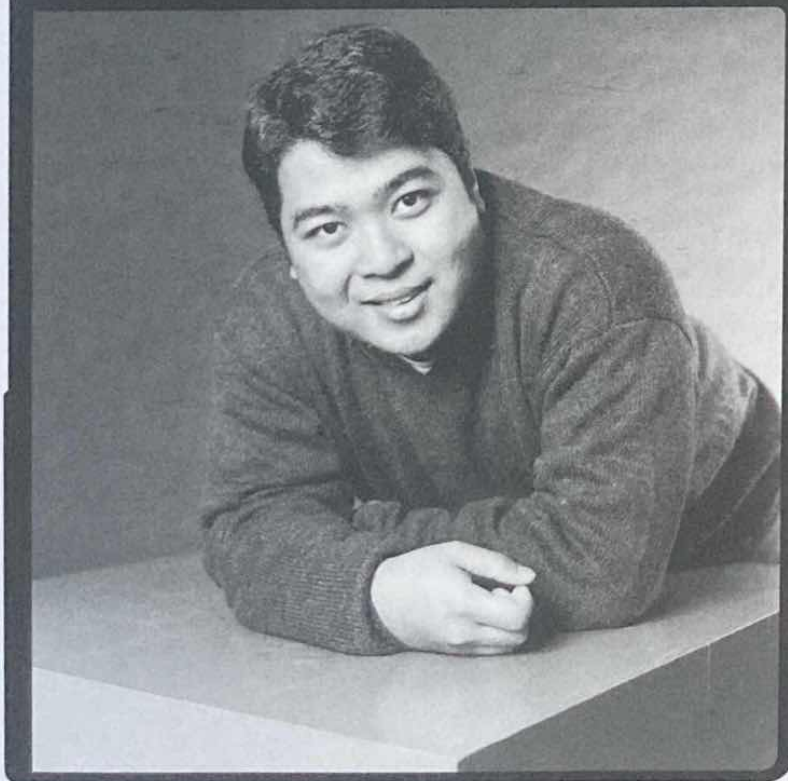
HIMÂDRI





Alain CÂRLOS

N



RLUS



Agnieszka
Gasparska



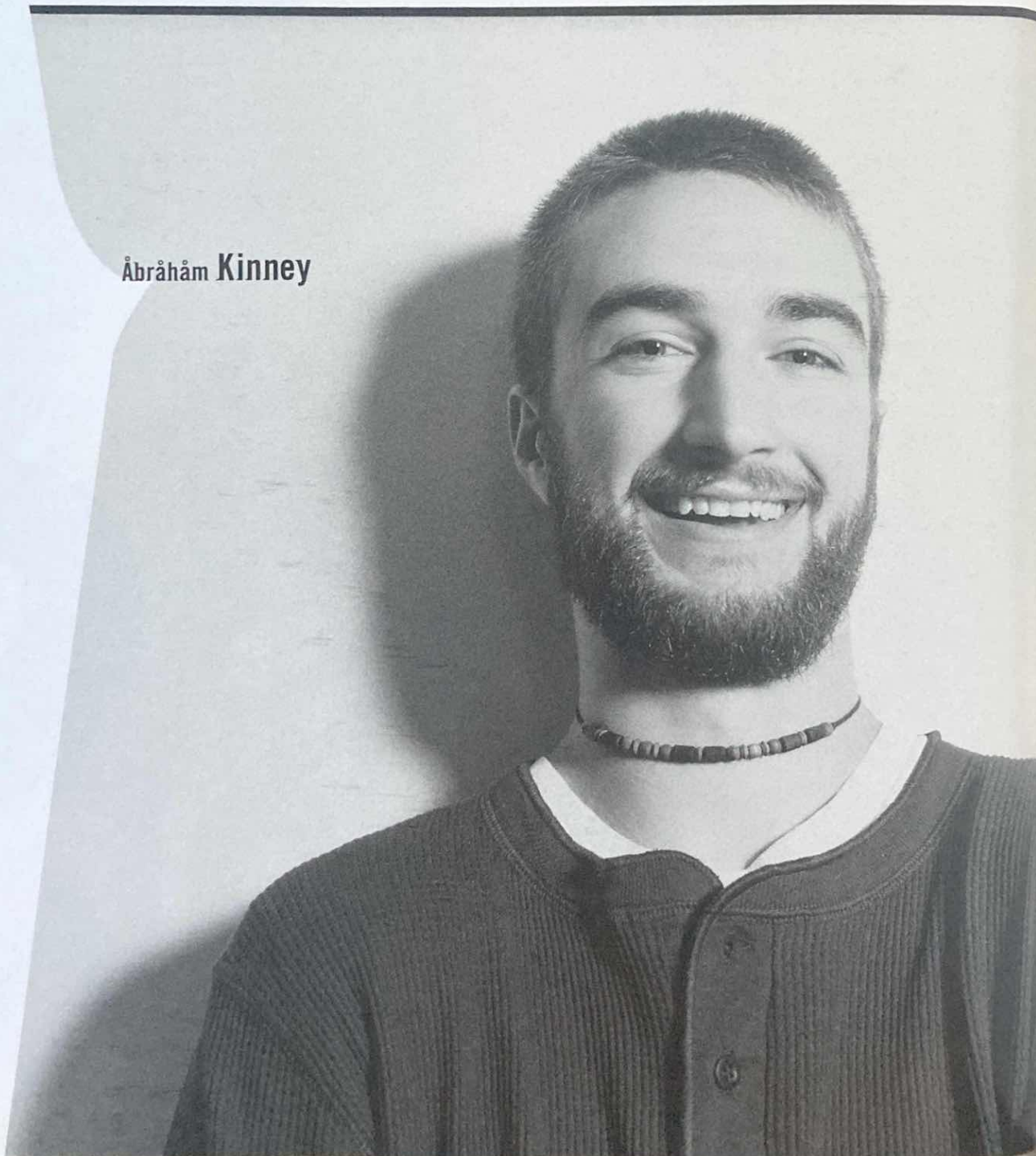
GASPARS

The wise man can pick up a grain of sand and envision a whole universe.

But the stupid man will just lay down on some seaweed and roll around until he's completely draped in it.
Then he'll stand up and go, Hey, I'm Vine Man.

Jack Handey

Åbråhåm Kinney

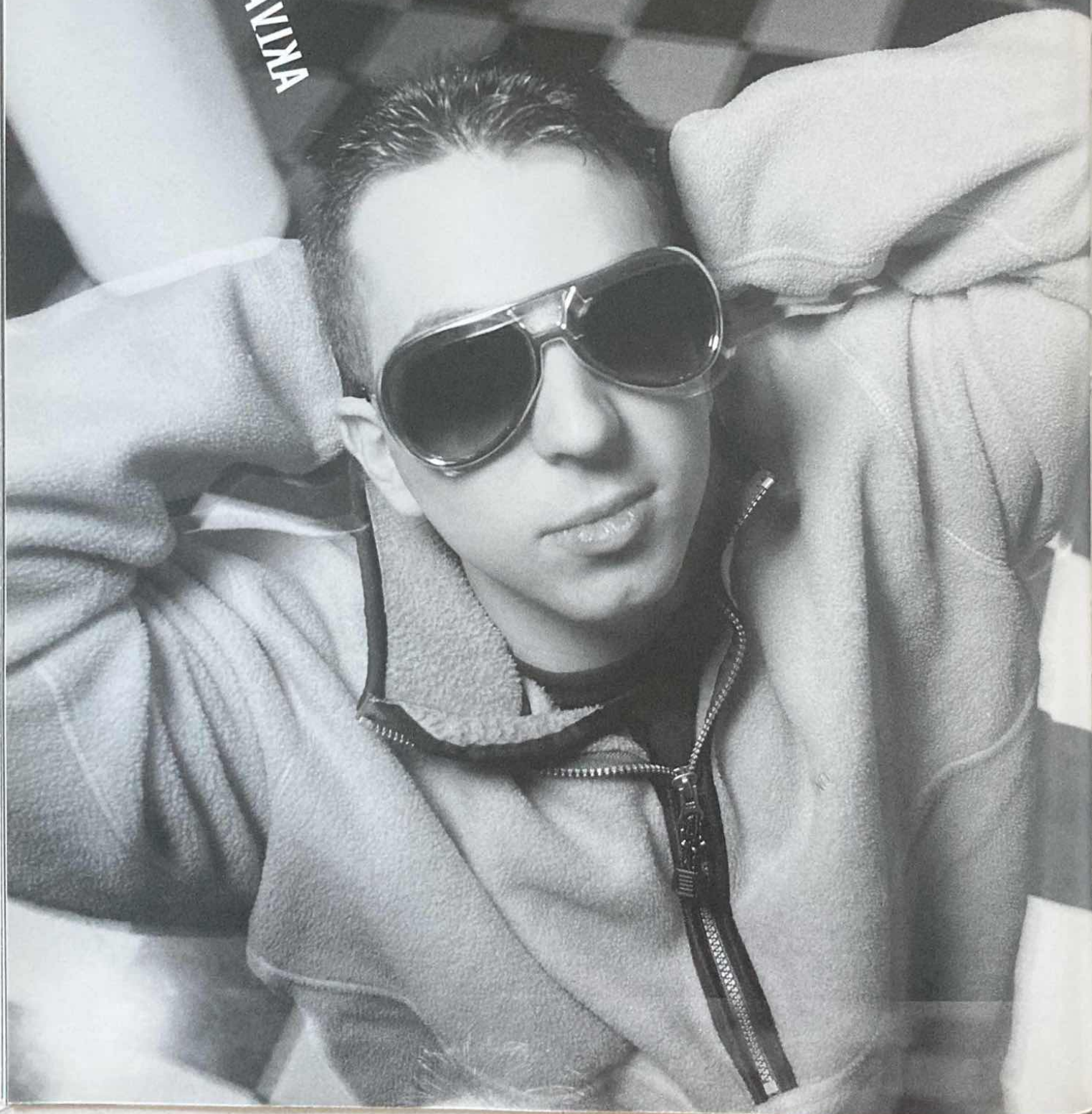




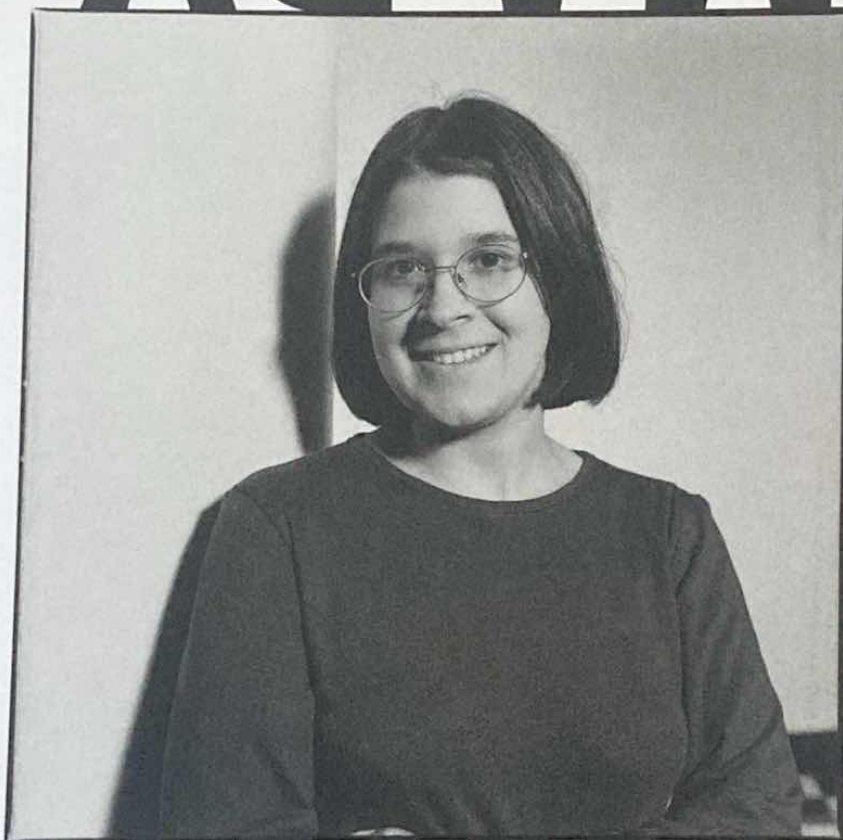
Peter Chung

PAIK? ANKA

Assumption is the mother of all f**kups.
Just another typecast movie villain who eats it.



A psychological test was prepared to see how members of different professions would answer the same question.
An engineer and a lawyer were called in.
The examiner asked the engineer, "How much is two times two?"



The engineer replied, "Three point nine, nine, nine, nine..."

Then he asked the lawyer, "How much is two times two?"

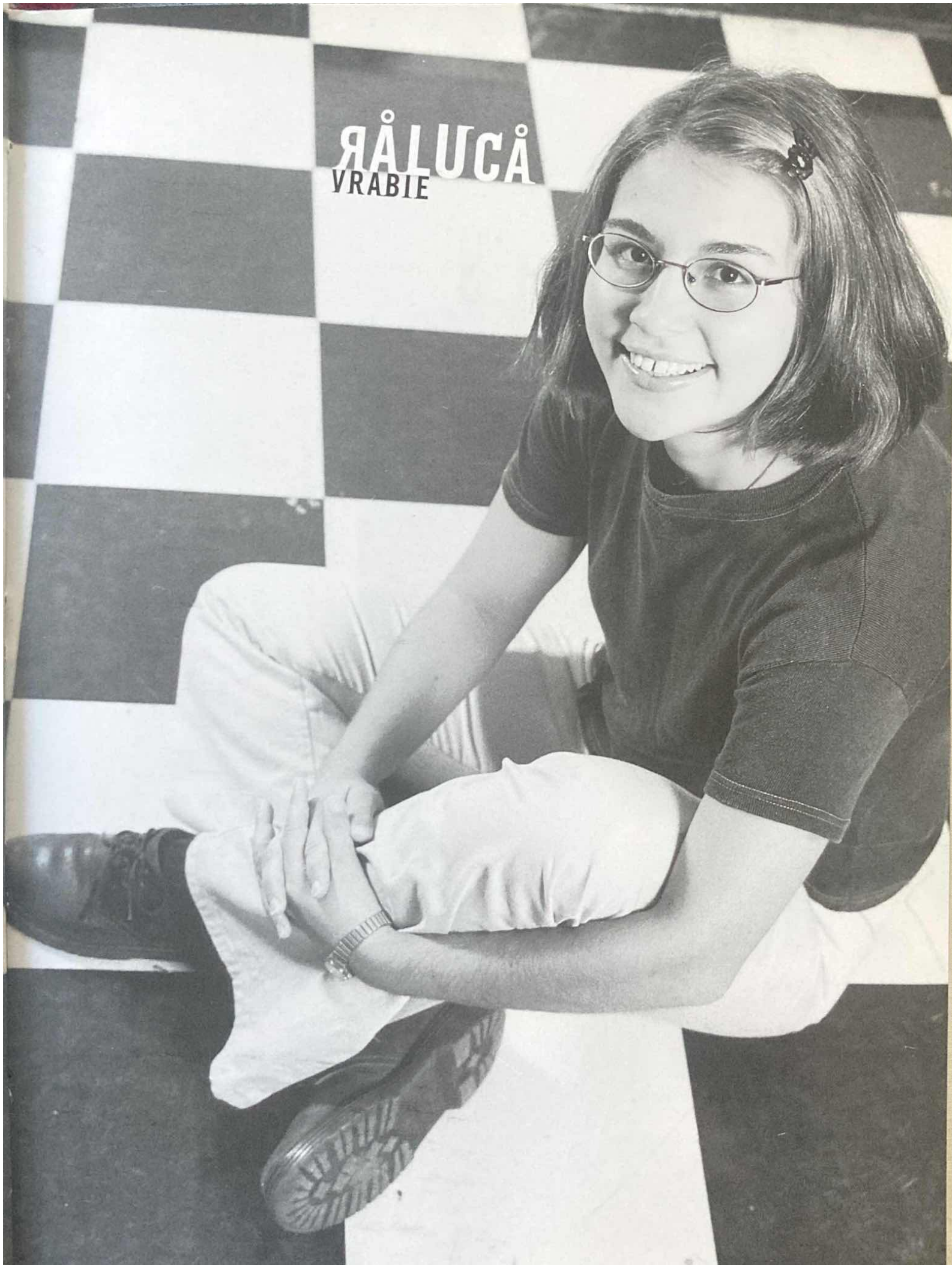
The lawyer said, "How much do you want it to be?"

Larry Wilde, The Official Lawyers Joke Book



MICHÂEL
Cartåyå

ЯАЛУСА
VRABIE





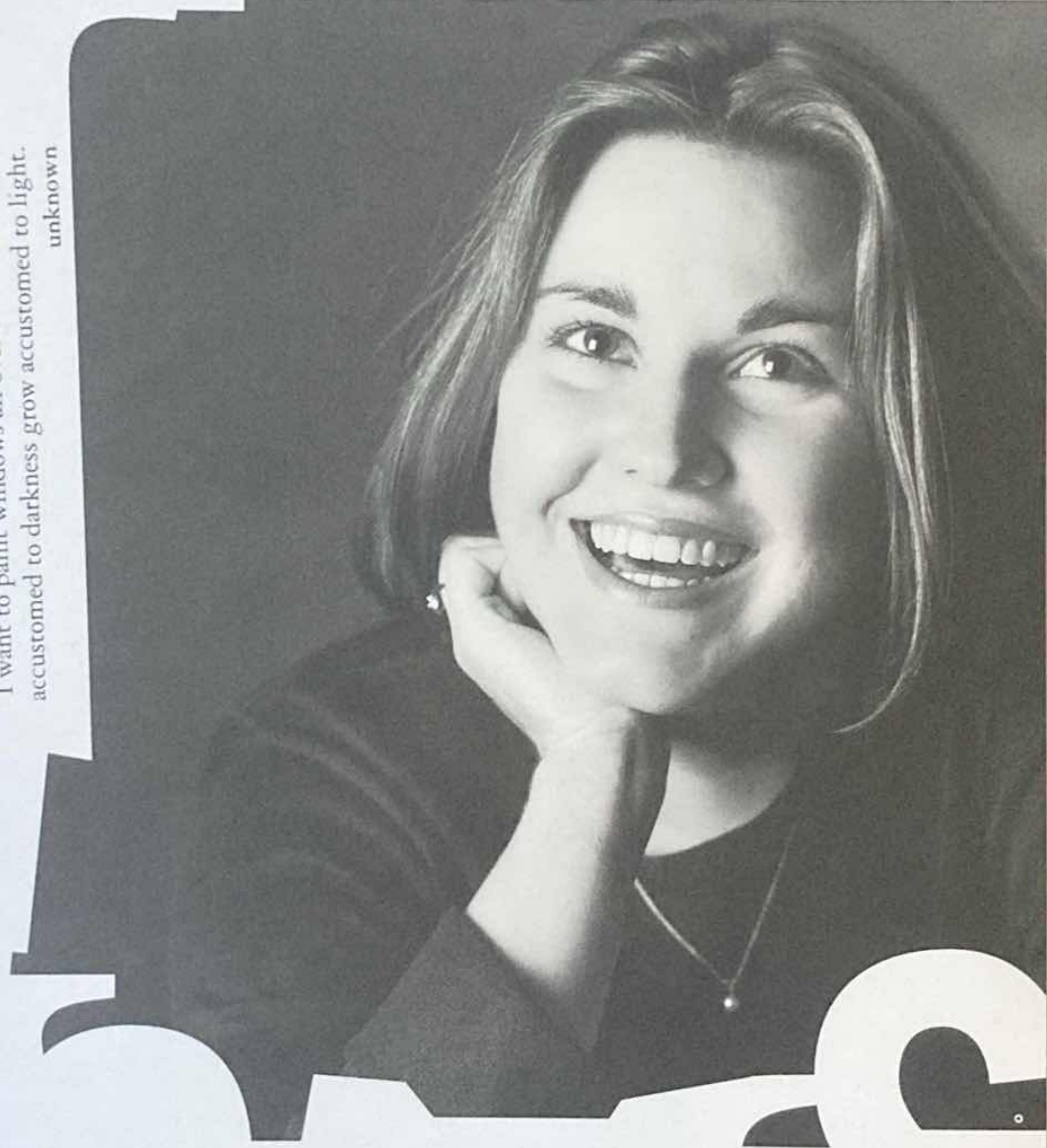
2/9/11
Stephen Au

Large stylized graphic element resembling a thick, black, slanted letter 'A' or 'U' with a circle at its top right end.

T a R A

KELLER

I want to paint windows all over the Earth to let all eyes
accustomed to darkness grow accustomed to light.
unknown



WONSUN (sunny) SUL

Two roads diverged in a wood,
and I took the one less traveled by,

And that has made all the difference

Robert Frost



Thomás Gállágher

life

time

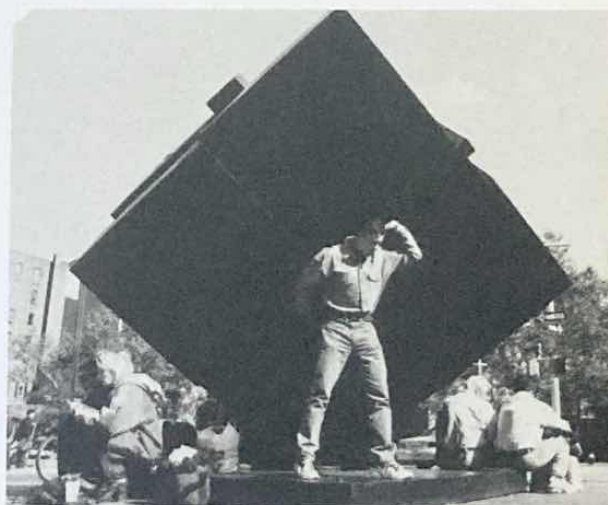
space



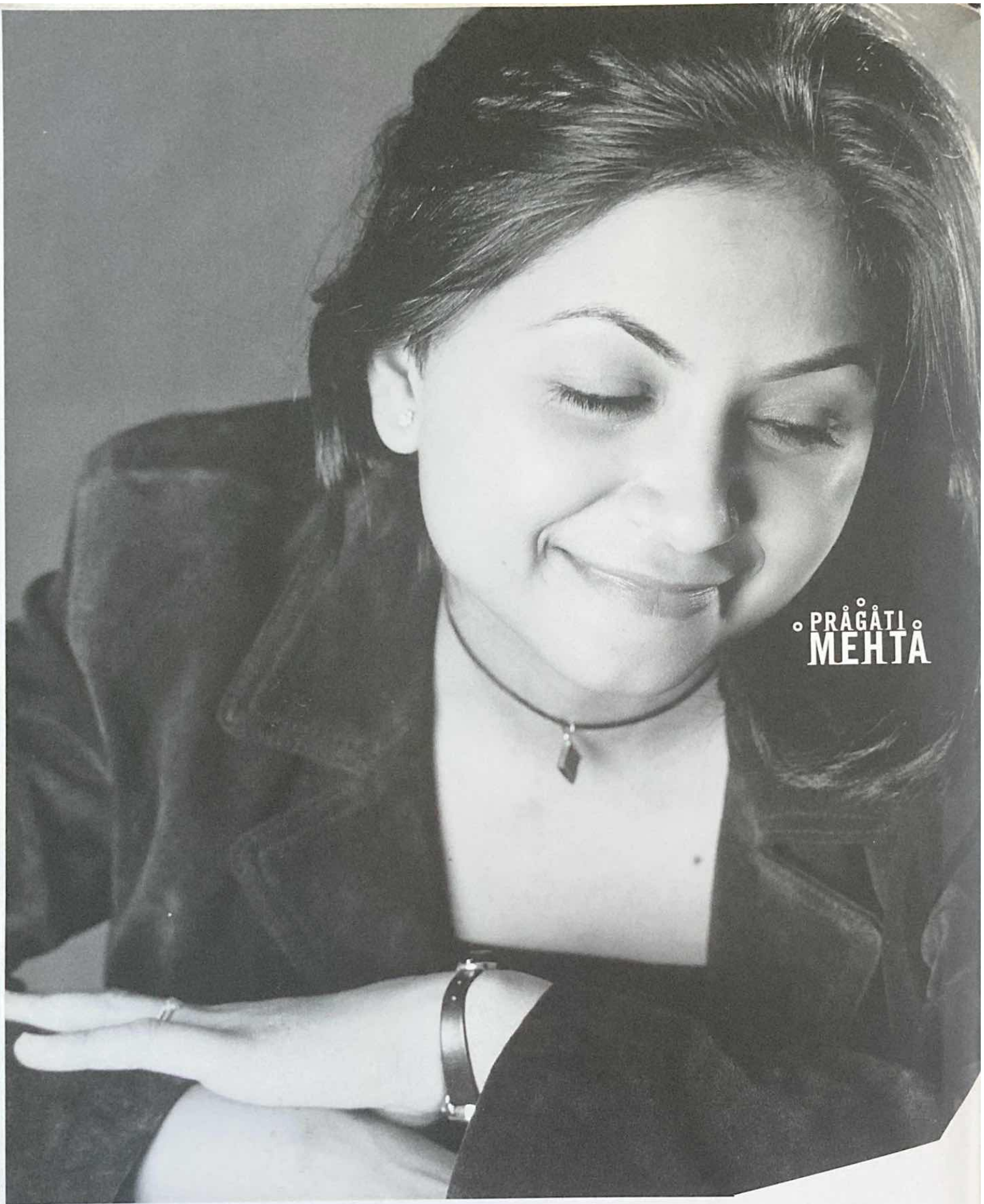
yook **CHÂN**

Александр

КРУТОВСКИЙ

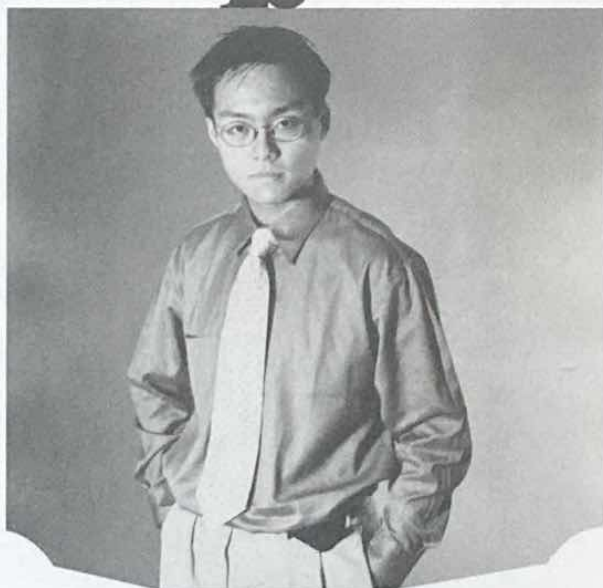


Give me a place to stand, and I will move the Earth.



° PRAGATI °
MEHTA

SAM
LO



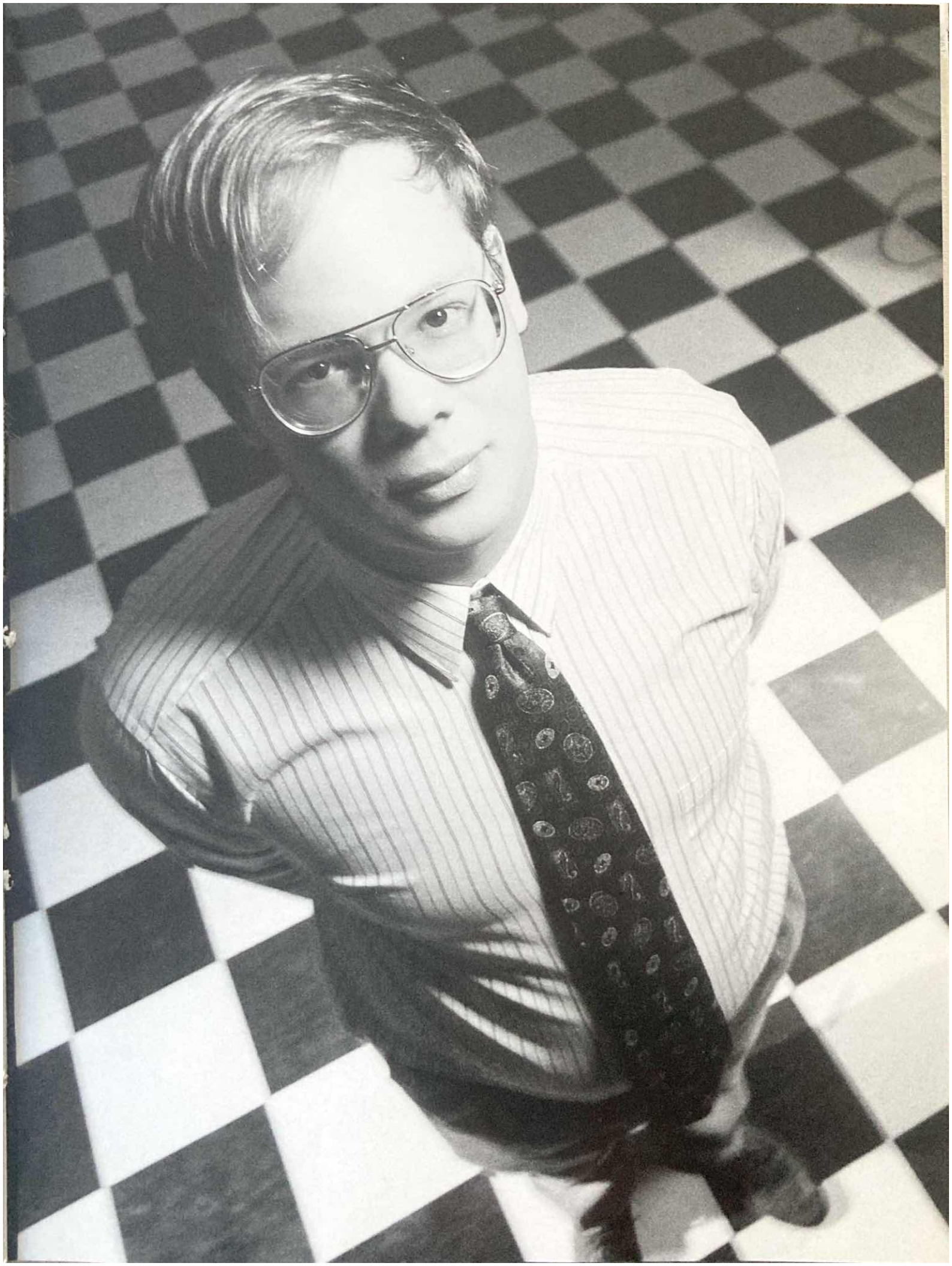
COME
STAY
GO

Just another pitstop?

Joseph Live the best you can.
Bush

Life is a game whose rules you learn if you leap into it and play it to the hilt.

Otherwise you are caught off balance,
continually surprised by the shifting play.



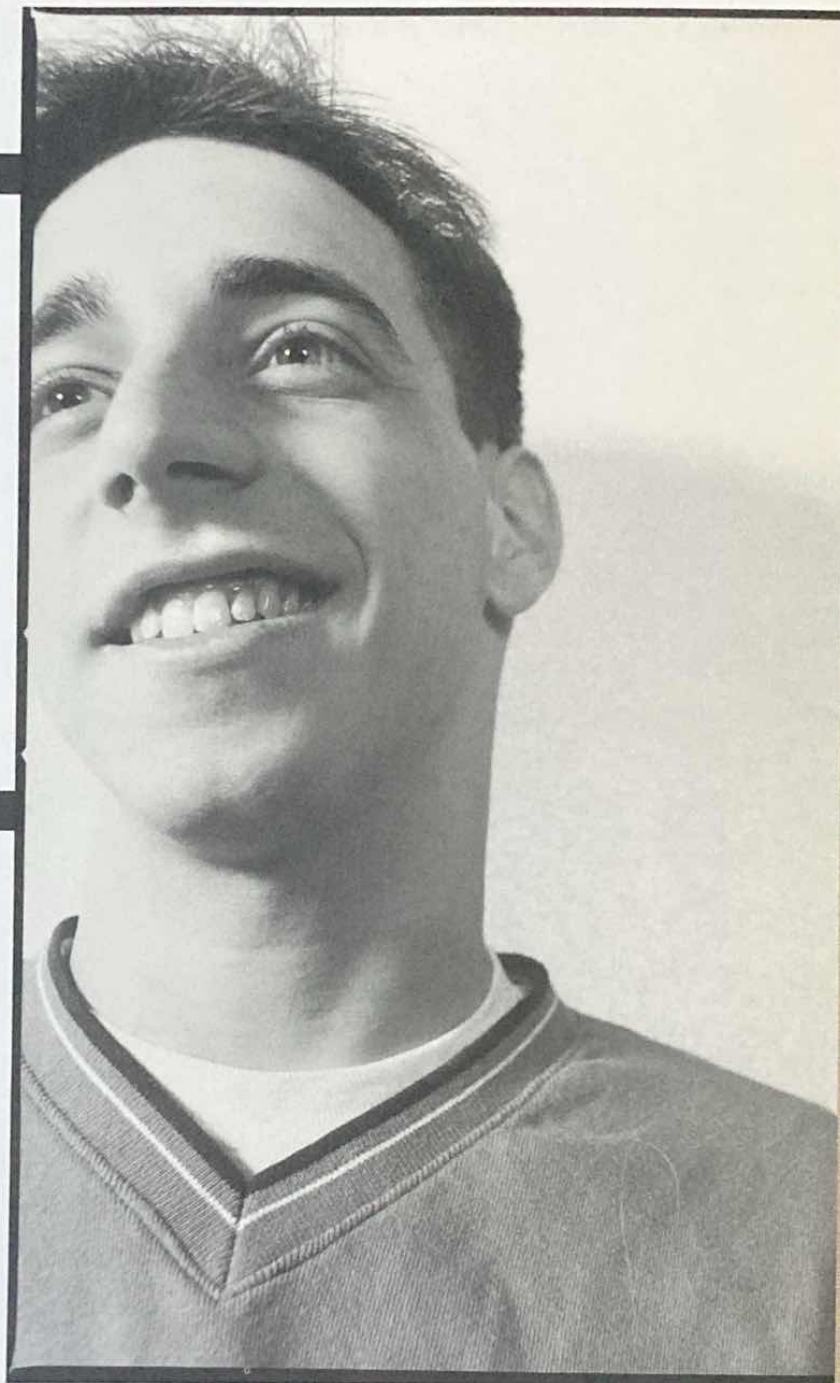




(Previous page, from left to right)
Otto Peterson, Wilfredo Diaz, Jovan Villalba, Frankie Rodriguez, Vincent Serritella

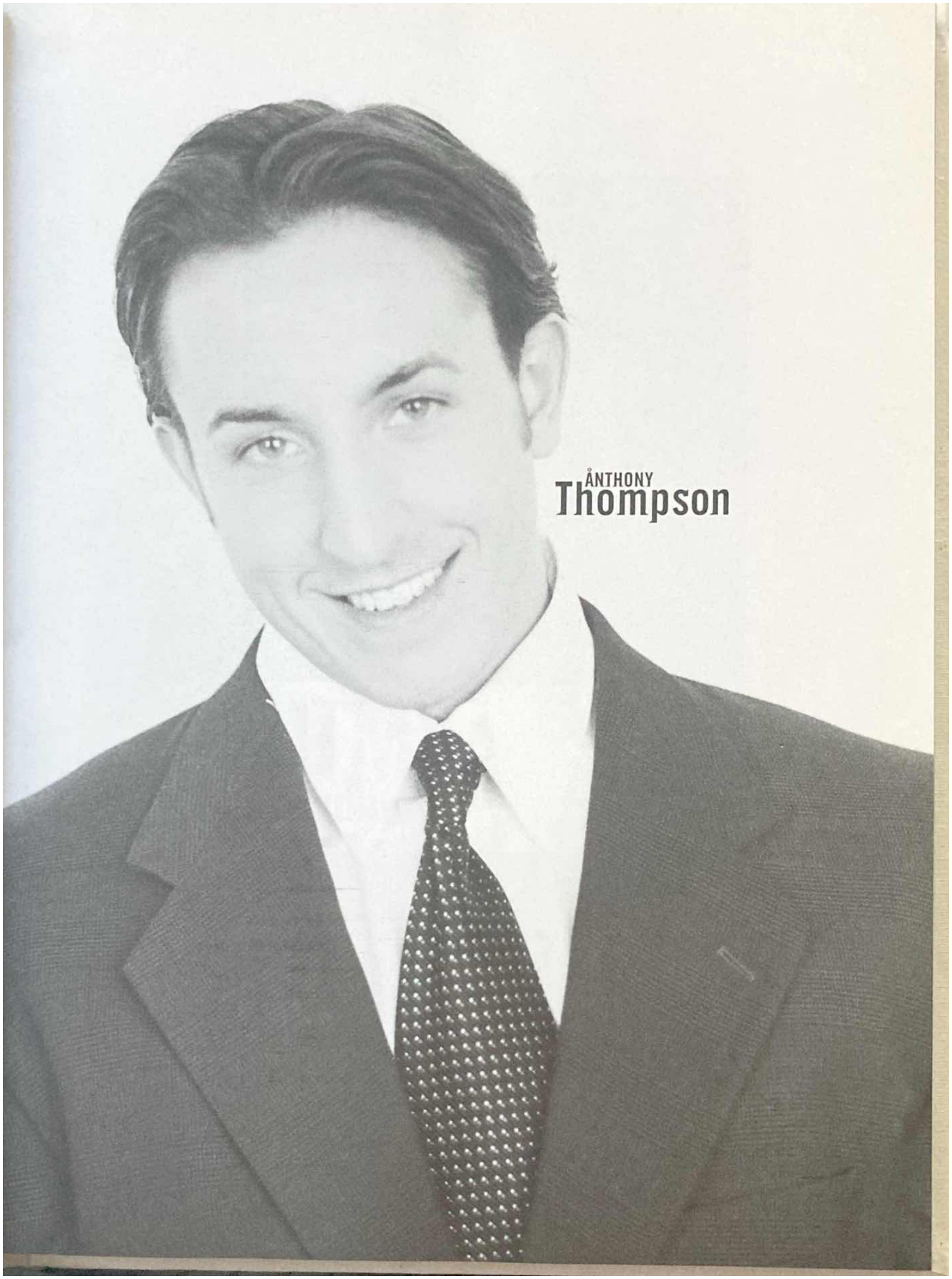


Gerardo Cardone





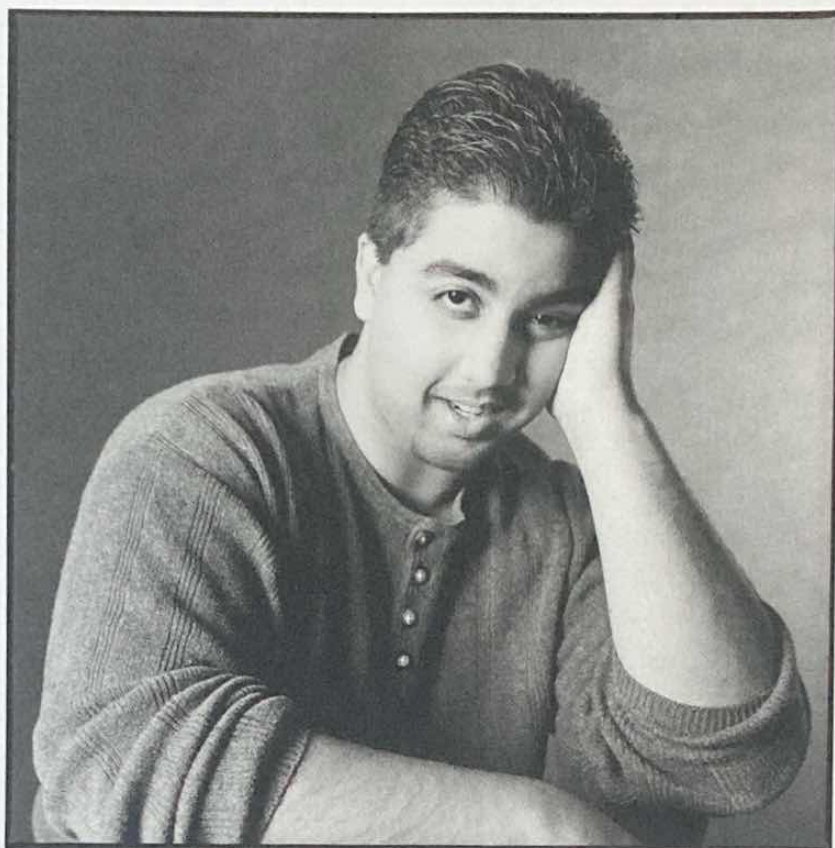
TIRSO
MOLINÀ



ANTHONY
Thompson



Alex Härtley



ZOYA Chaudhuri

Spirit does not die so easily.
And when the foul stink of your common reality
pervades my personal corner of the gutter...

that is when the shit will really hit your fan.



SHEILA TANDON

The Growing Up Process:

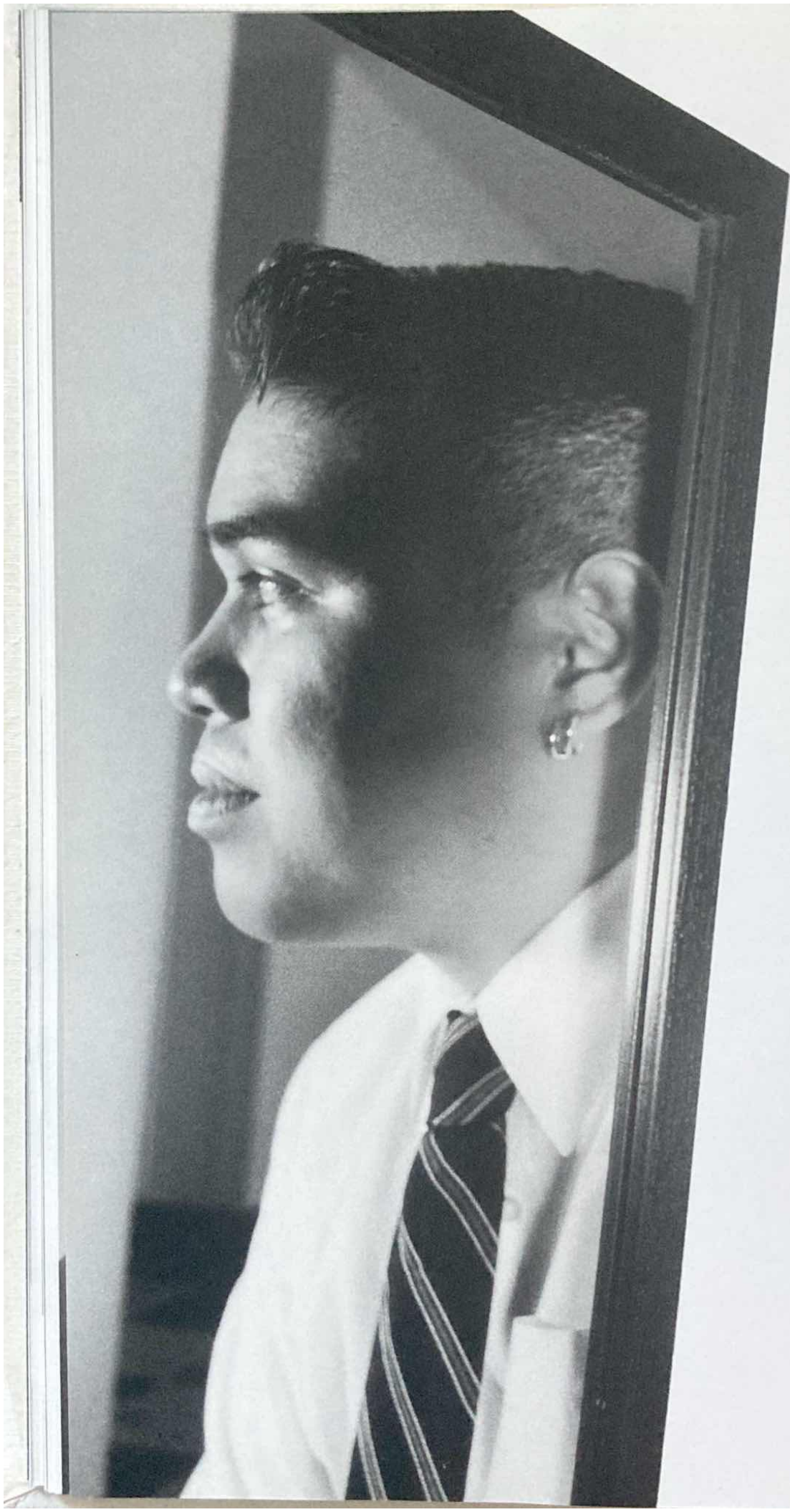
I see children as kites. You spend a lifetime
trying to get them off the ground.
You run with them until you're breathless...

they crash... they hit the rooftop... you patch and comfort, adjust and teach.

You watch them lifted by the wind and assure them that some day they'll fly.

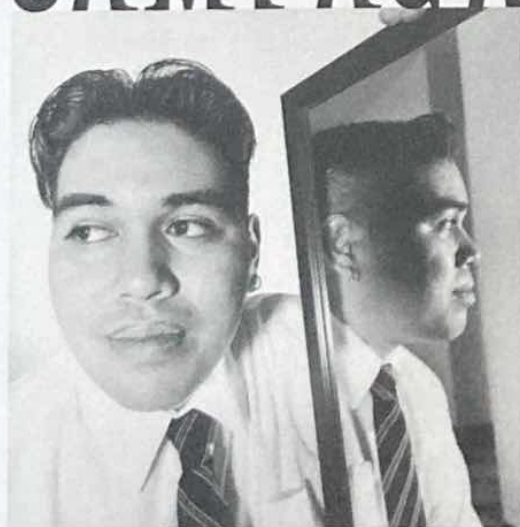
SELWYN &
JACOB II

To my family and friends:
All that I've become is because of you
So all that I will become is for you.



ANGEL
SAMPAGA

○ If you can imagine it, you can create it.
If you can dream it, you can be it.





Jeân Bărmăsh

Check marks, black stars, rebate exams.



STEVEN


BLOCK

Scrolling Led, Curve Tracer, living in the Senior Lab.
Op amps, processors, 50 TIPS.
Oh yeah, got a power supply, lets cook some VLSI.

10 oclock, 12 oclock, 3 am, sunrise.
Bread boards, wirewrap, solder, solder in my sleep.

Locked in the building, good night.

erån **DEÅEL**

And now the question's:

Do I kill them?

Become their friend?

Do I eat them?

Raw or well done?

Do I trick them?

I don't think they're that dumb

Do I join them?

Looks like that's the one

Eddie Vedder



Gabrielle
Moore

plant Magic dust

expect hope doubt
(wonder mistrust)
despair
and right
where soulless our
(with all their minds)
eyes blindly stare

life herSelf stands

e.e. cummings

BAW
Biagio (goetzke)

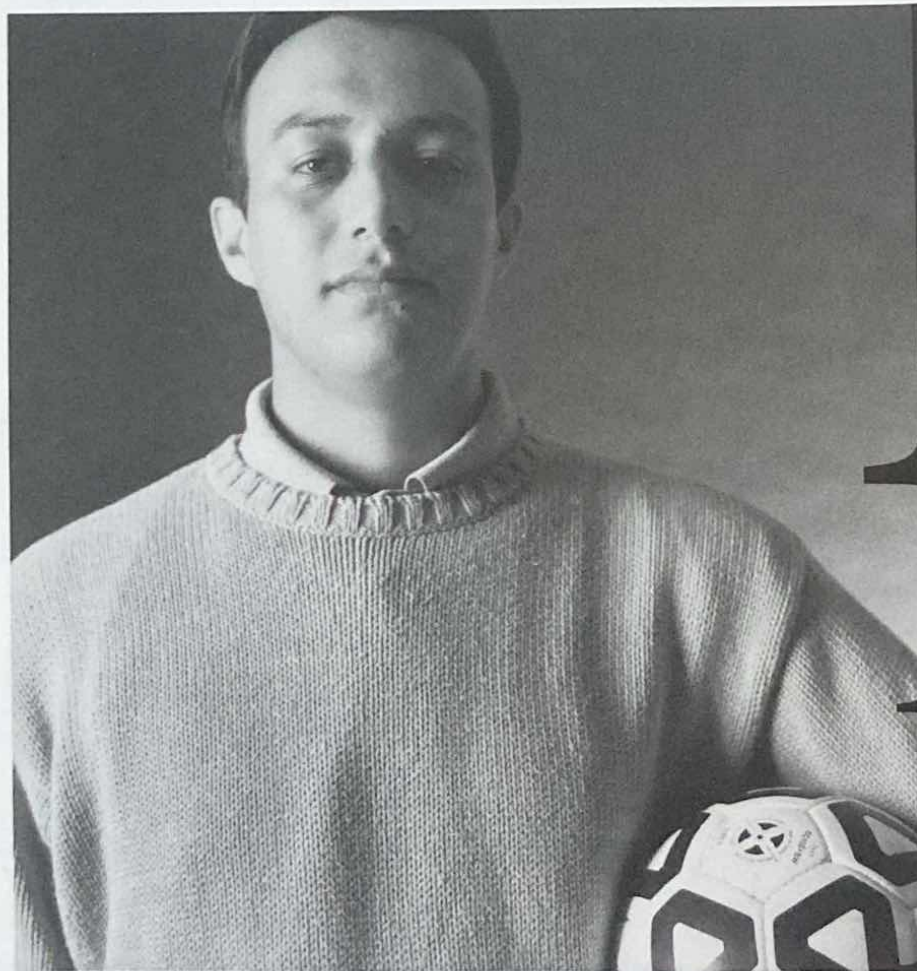




Now, I have come to the end of four of the toughest years of my life.
They were also the best. Cooper won for the first time in a
soccer match with me as captain and coach. I'm very grateful for
the experience I got from the soccer team, my EE friends and professors.



I'm most grateful to my parents and sister for the support they gave me.



MU TION DIAZ

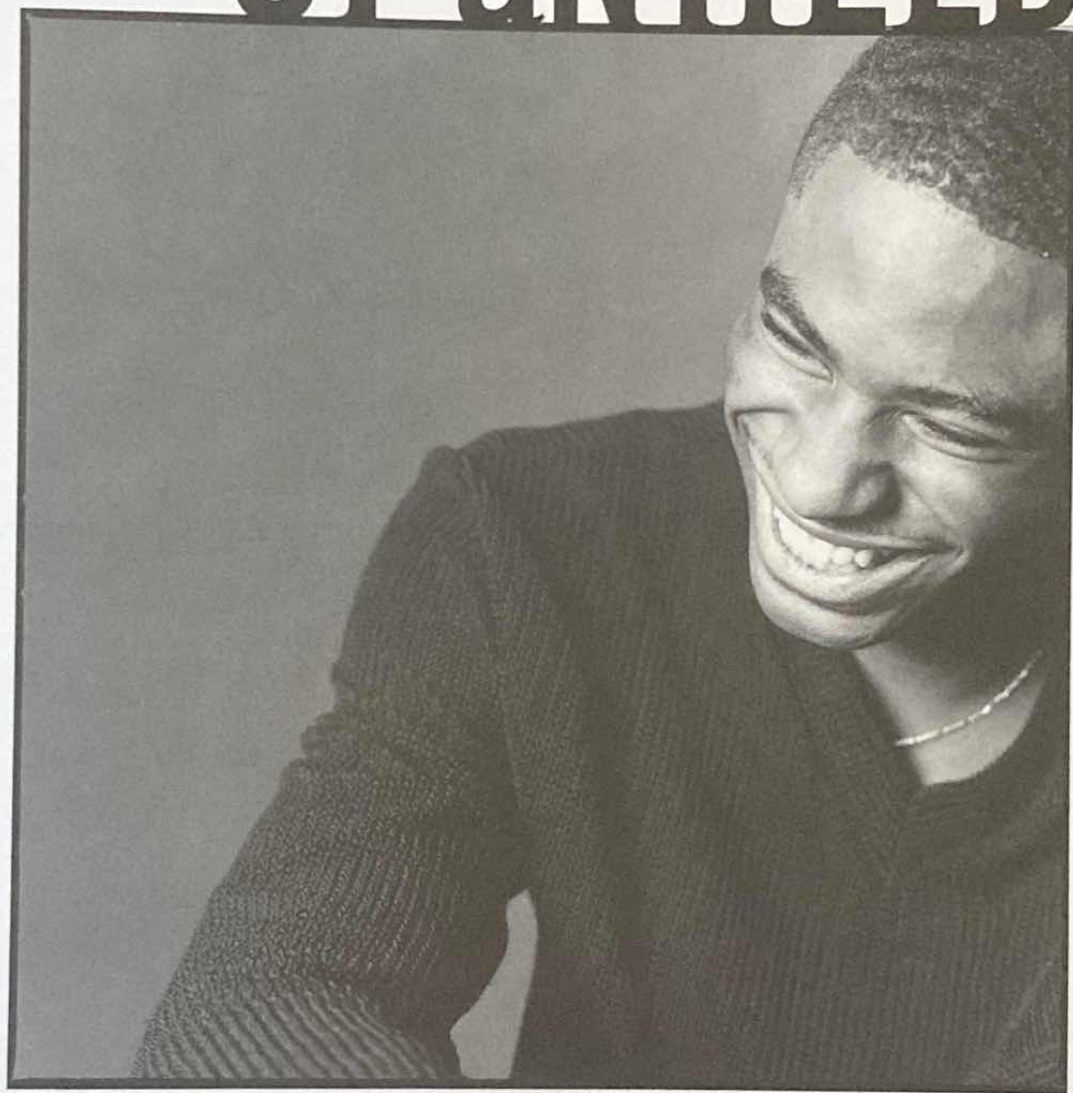


Bráhm Revel



Hång^{Fai Shum}

SÁNCHEZ
ST ÅNFELD



KEARY DeBruce



What is in your heart never dies.
If you believed in it once, you will again.

If you truly believed in it, the way I did.
It will be like the dawn.

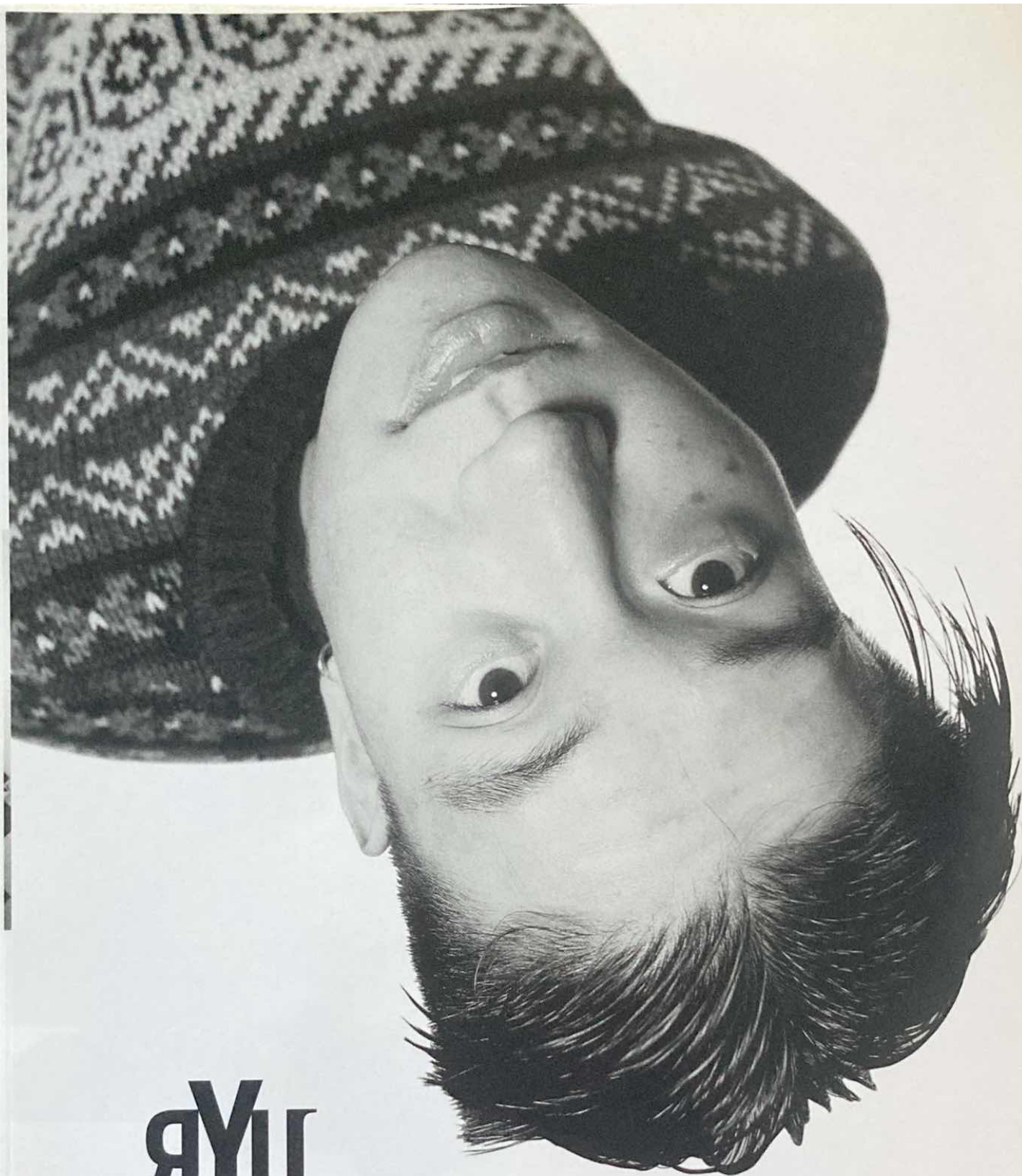
Ismini **Miliáresis**



The Irwin S. Chanin School of
ARCHITECTURE

1. Tamas Szalczzer
2. Maria Westerstahl
3. Angelo Zaharatos
4. Slobodanka Kovacevic
5. Arnea Ferrari
6. James Corneli
7. Moeno Wakamatsu
8. Jennifer Zelinski
9. Tirso Molina
10. Victoria Zaretsky
11. Liyat Esakov
12. Lorna Guerrá





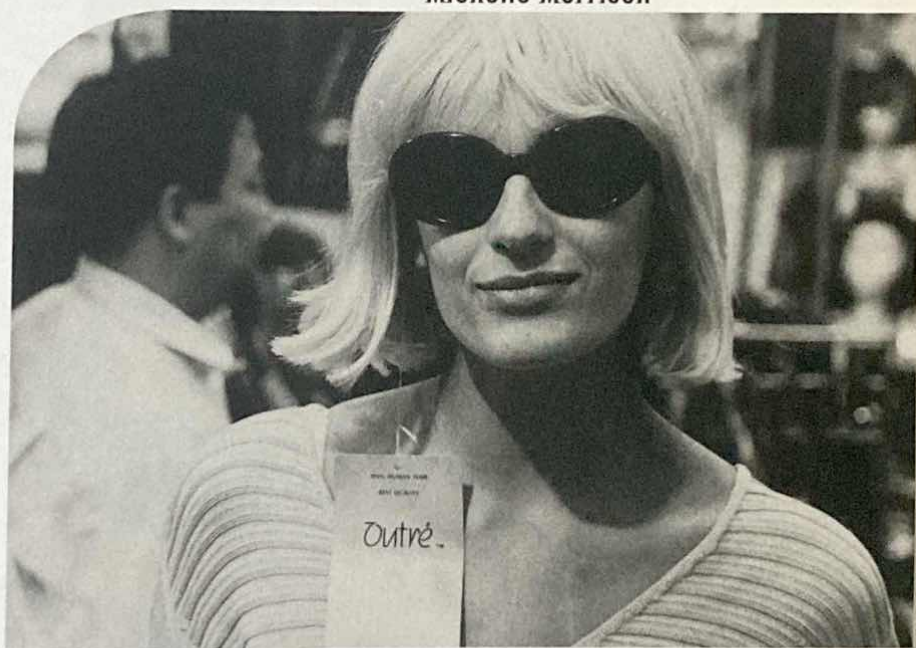
YU

HIJIOKA

If the Lord delights in a man's way,
he makes his steps firm;
Though he stumble, he will not fall,
for the Lord upholds him with his hand.

Psalm 37: 23-24

Michelle Morrison





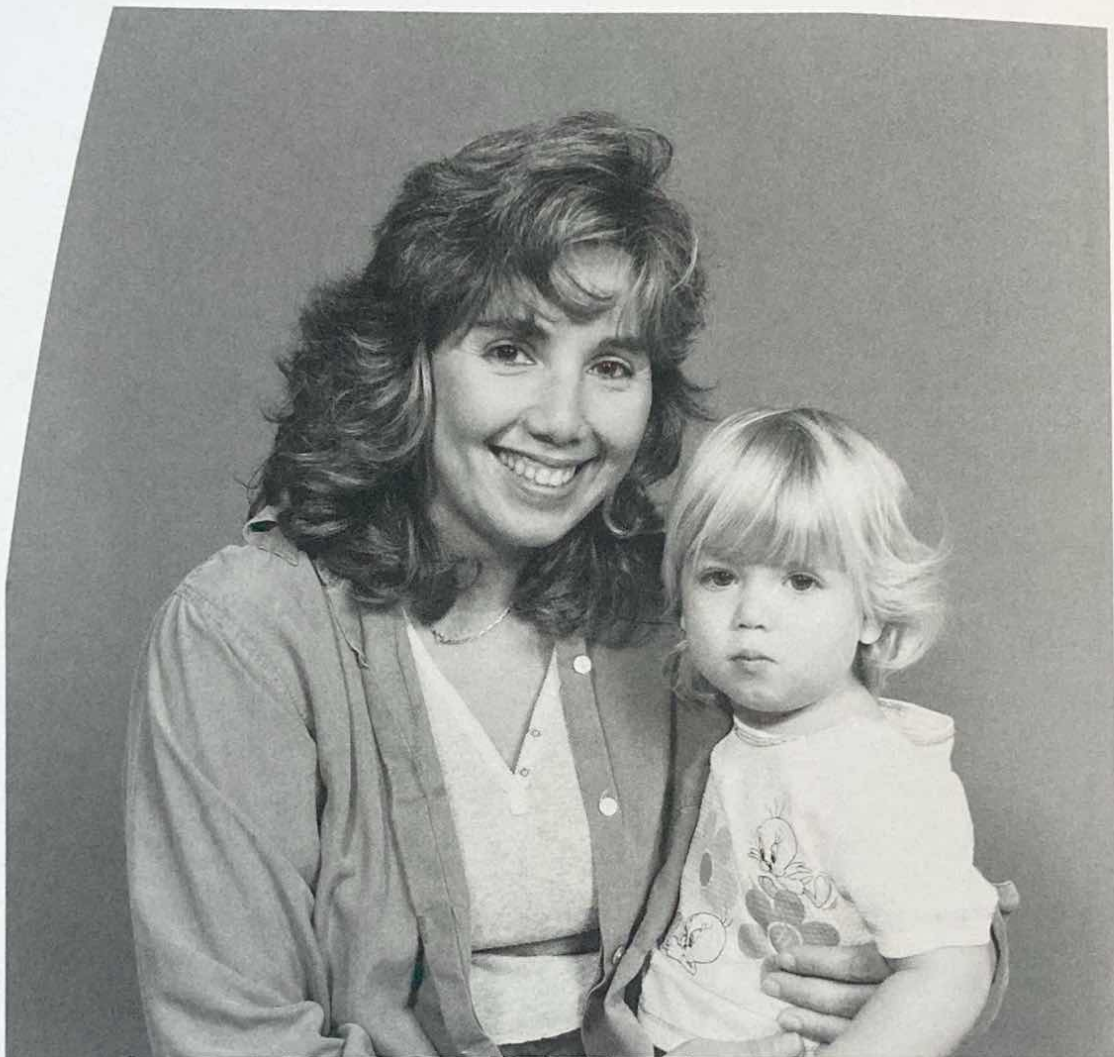
PETER **MURPHY**

People will know my name even if I have to write it on a stick and beat them with it.

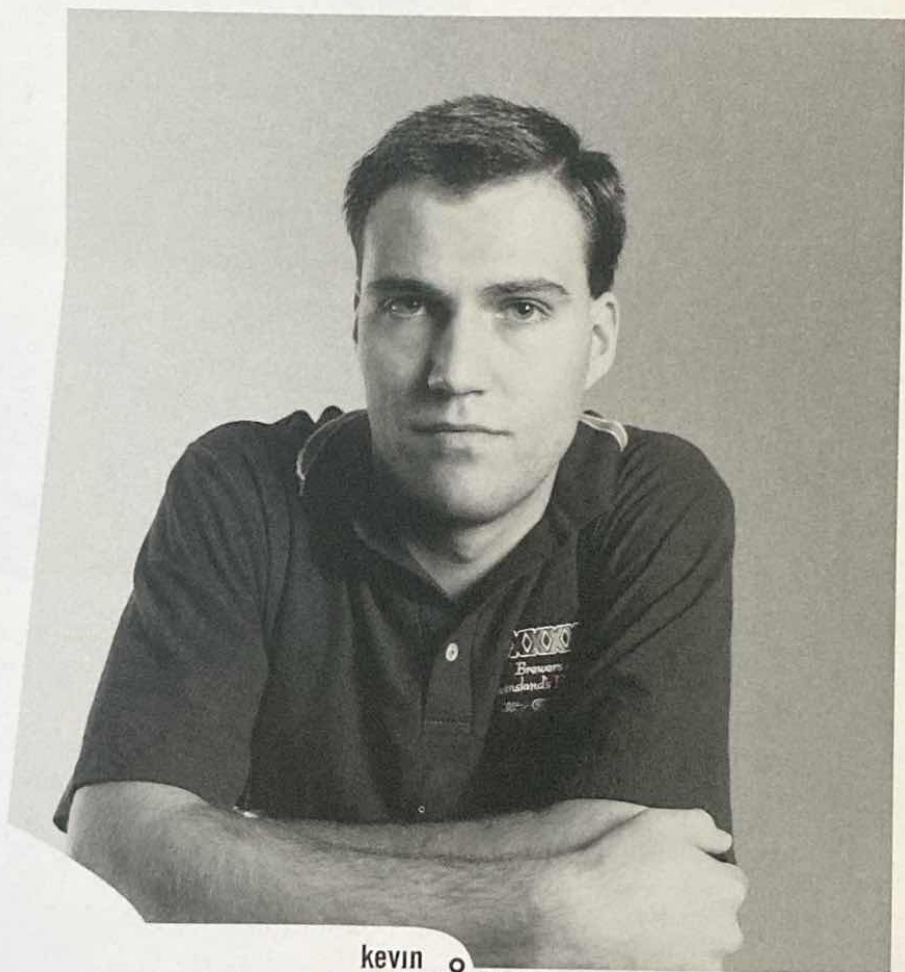
Without memory, time has no meaning.

Pat Conroy, Beach Music





Elizabeth
COLORE



kevin o

MAKIE

What lies behind us,
and what lies before us,
are nothing compared to what lies within us.

unknown

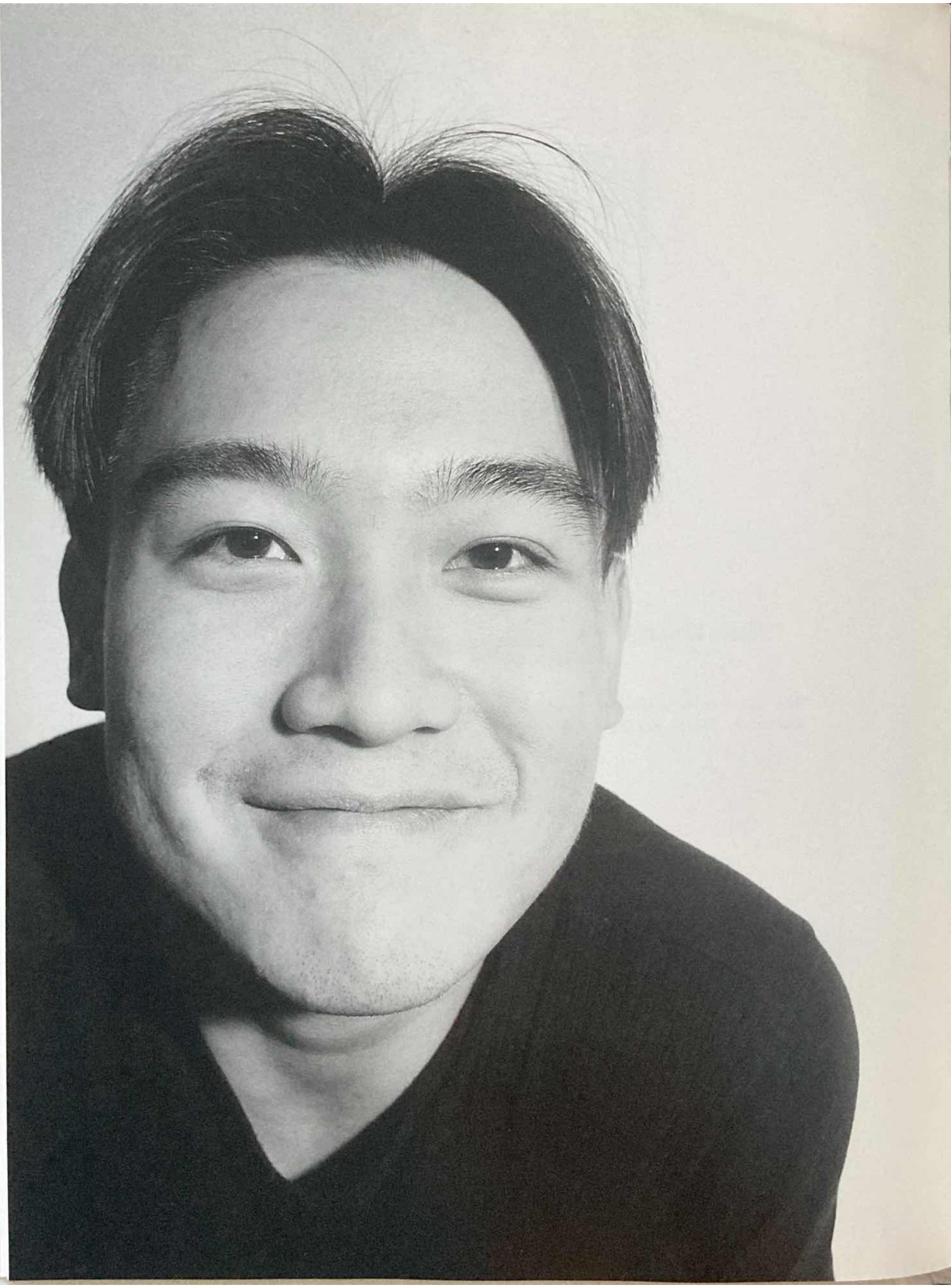


Jung Ho Park



James GAUGHAN To me, it's always a good idea to
always carry two sacks of something when you walk around.

That way, if anybody says, "Hey, can you give me a hand?"
you can say, "Sorry, got these sacks."



JACK CHEN

Four years of futility,
I think to myself during the
customary duration of test
time spent mumbling in bewilderment.

But I can honestly say that the Cooper experience is somewhat under-rated.

Nothing is handed to you save a free education.

It's up to you to get a life,
stay or get in shape, study,
exploit the city,
yadda, yadda, yadda.

You get out what you put in.

My experience here has been enhanced by
certain organizations and individuals:
CSA, the Pioneer, the graduating CE's. And to CK: chun ruk cun.



HẺUỖNG - HẺUỖNG
CHÍN



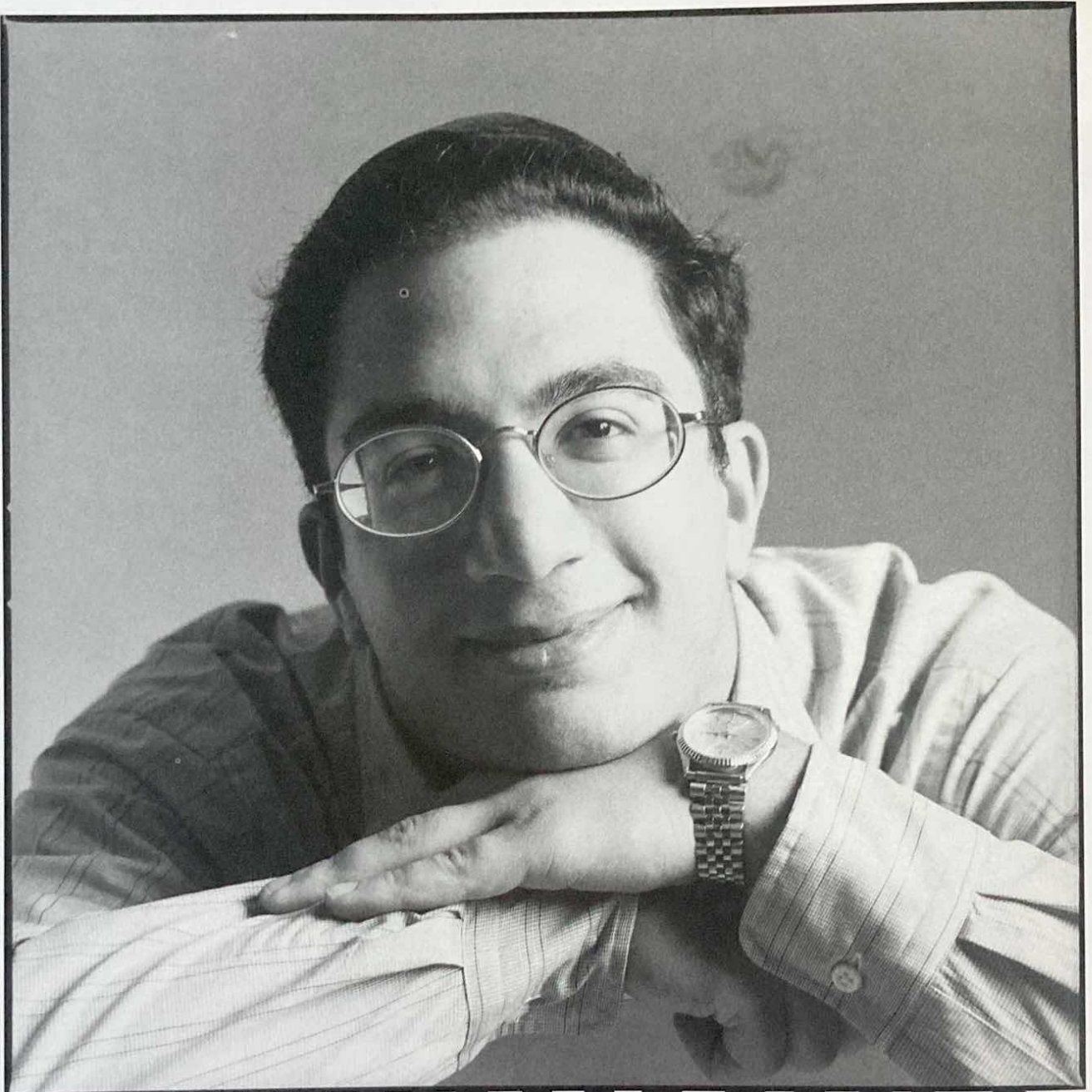
The limit of permissible complexity in Lorre's traveling box:

Scordatura maze

A classic encounter with the scratch invention

Florentine invitation: *semi-freddo*

Cioran list for butterfly earrings & clockwork setups

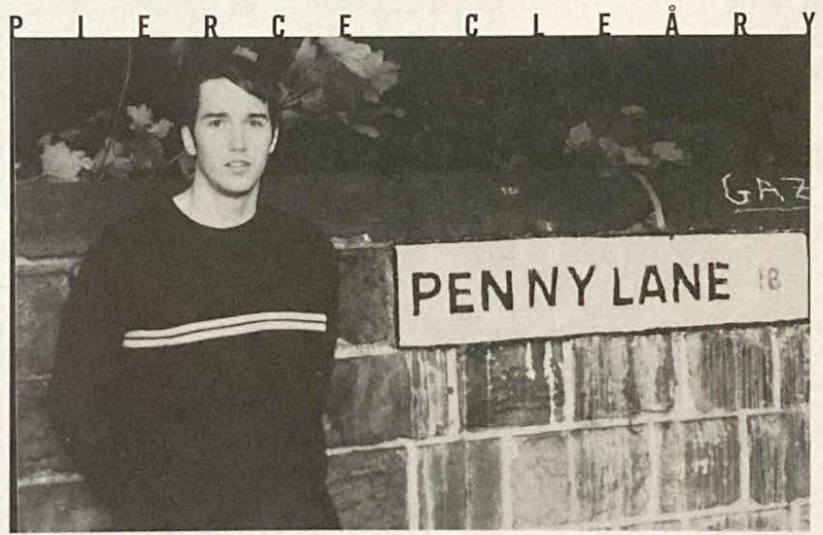


JOSEPH

NEHMIAS

Thank you family, friends, teachers, Cooper Union Basketball coaches and teammates, 12D, FO-DEE, 16B, 3F, 16, and Peter Cooper (for the free ride).
"Try not. Do, or do not. There is no try."

Yoda



{JAYLO}

Jāson Hillyer





*
E

W*SL*Y CHUNG

It's good to have money and the things money can buy,
but it's good to check once in a while
and make sure that we haven't lost the things which money can't buy.

Anonymous



"I regret that I don't have some kind of affirmative message to depart with
Would you settle for two negative ones?"

Woody Allen

Think what you will about this picture and these few choice words but,
a photo and a quote can never replace the memories from this Cooper Union
that will haunt me forever – but they'll have to do.



MARTIN HAINE?

Pneumatically i will  sally into Society.



CURT DOERN B

"If I were a poet, I might describe entropy as the arrow of time.

Since I'm a chemistry professor, let's look at a cylinder problem."

(Prof. Topper)

ERG

xenia **diente**

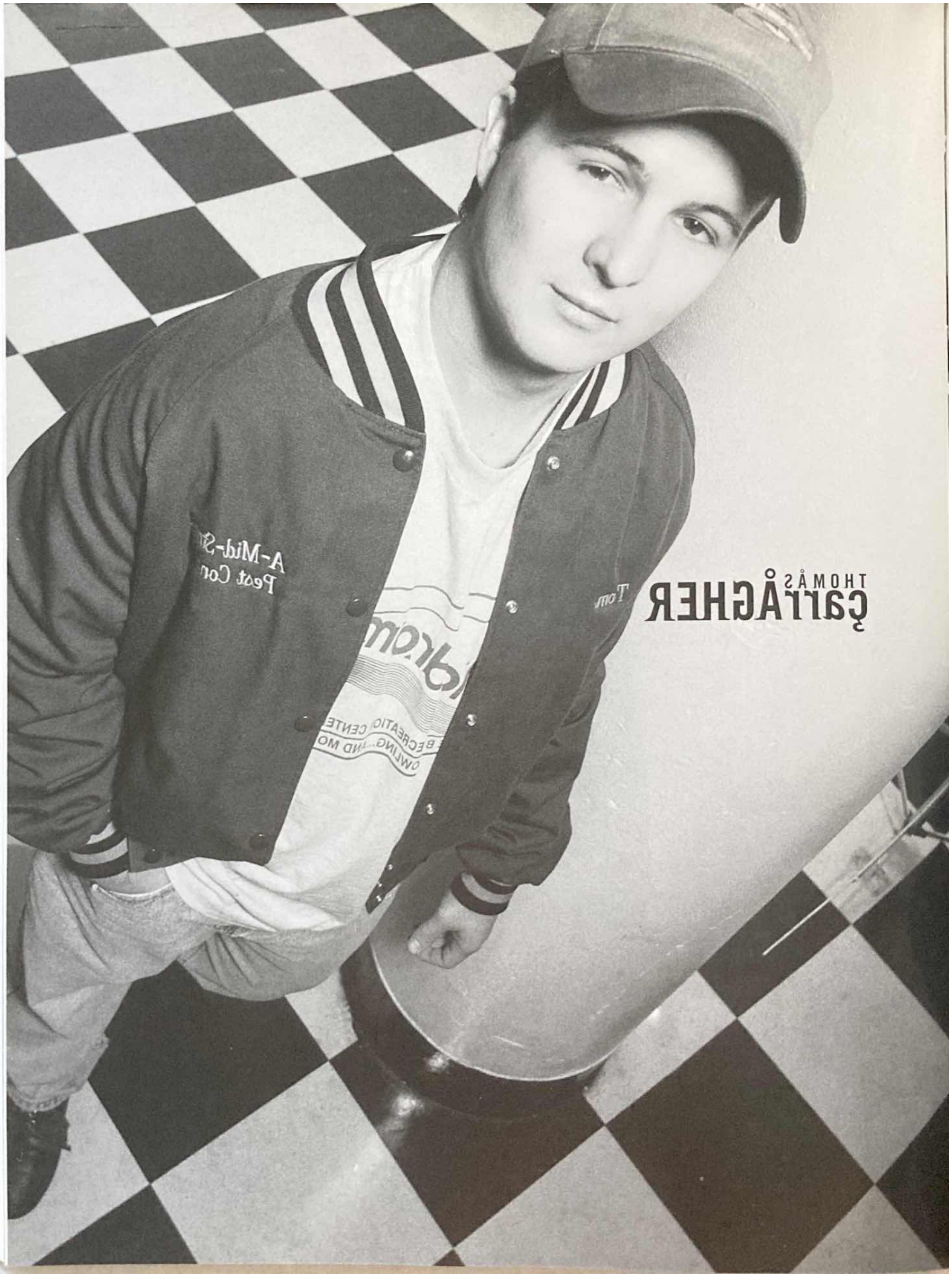
Both in and out of the game, watching and wondering at it.



Looks with its side curved head curious what will come next.

MEGAN
McEntire





THOMAS ÅMÖHT
CARLÄGHER

A-Mid-20
Post Con

Tom

OWLING AND MORE
RECREATION CENTER

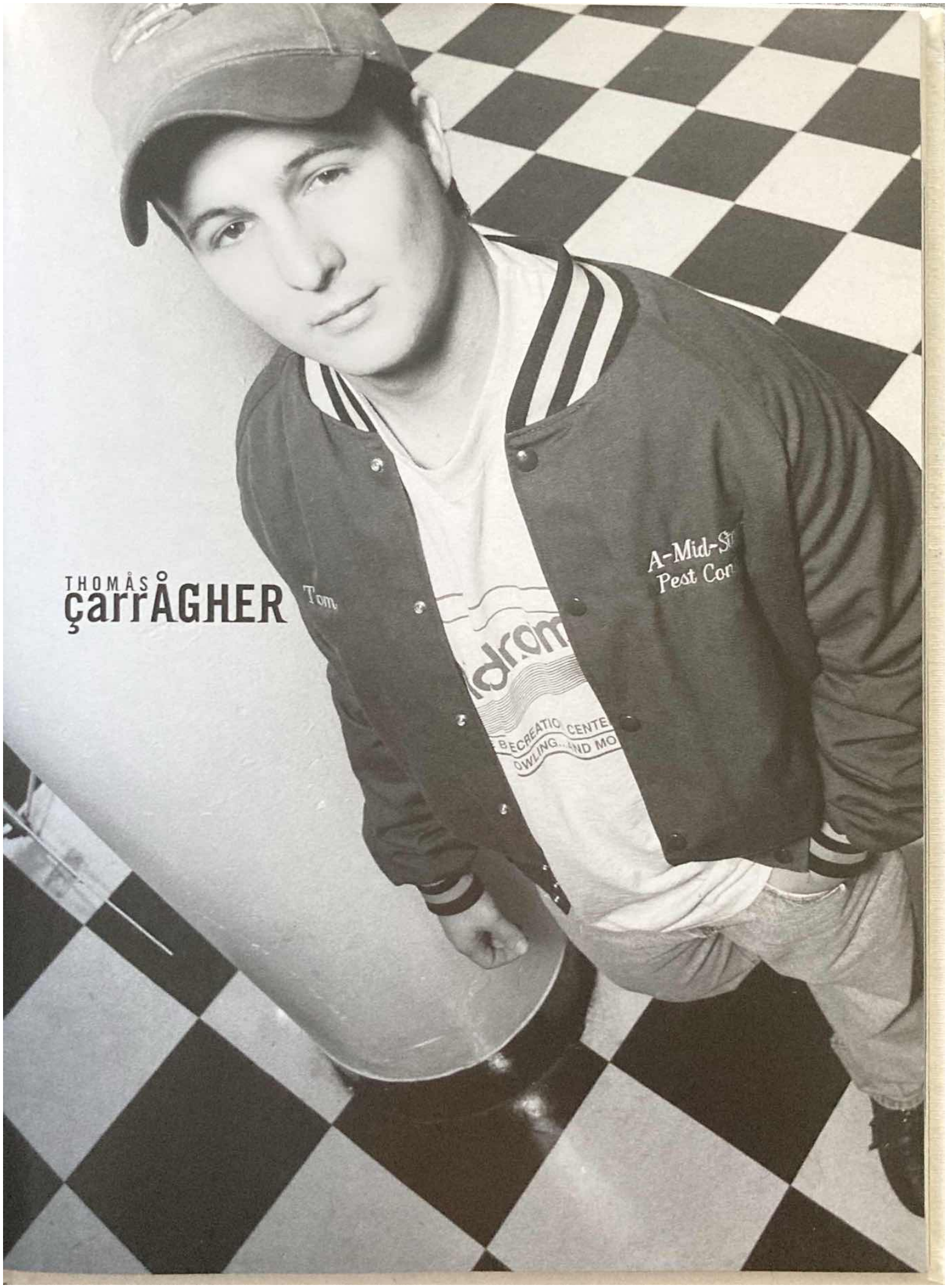
THOMÁS
GARRÁGHER

Tom

ndrom

RECREATION CENTER
BOWLING... AND MORE

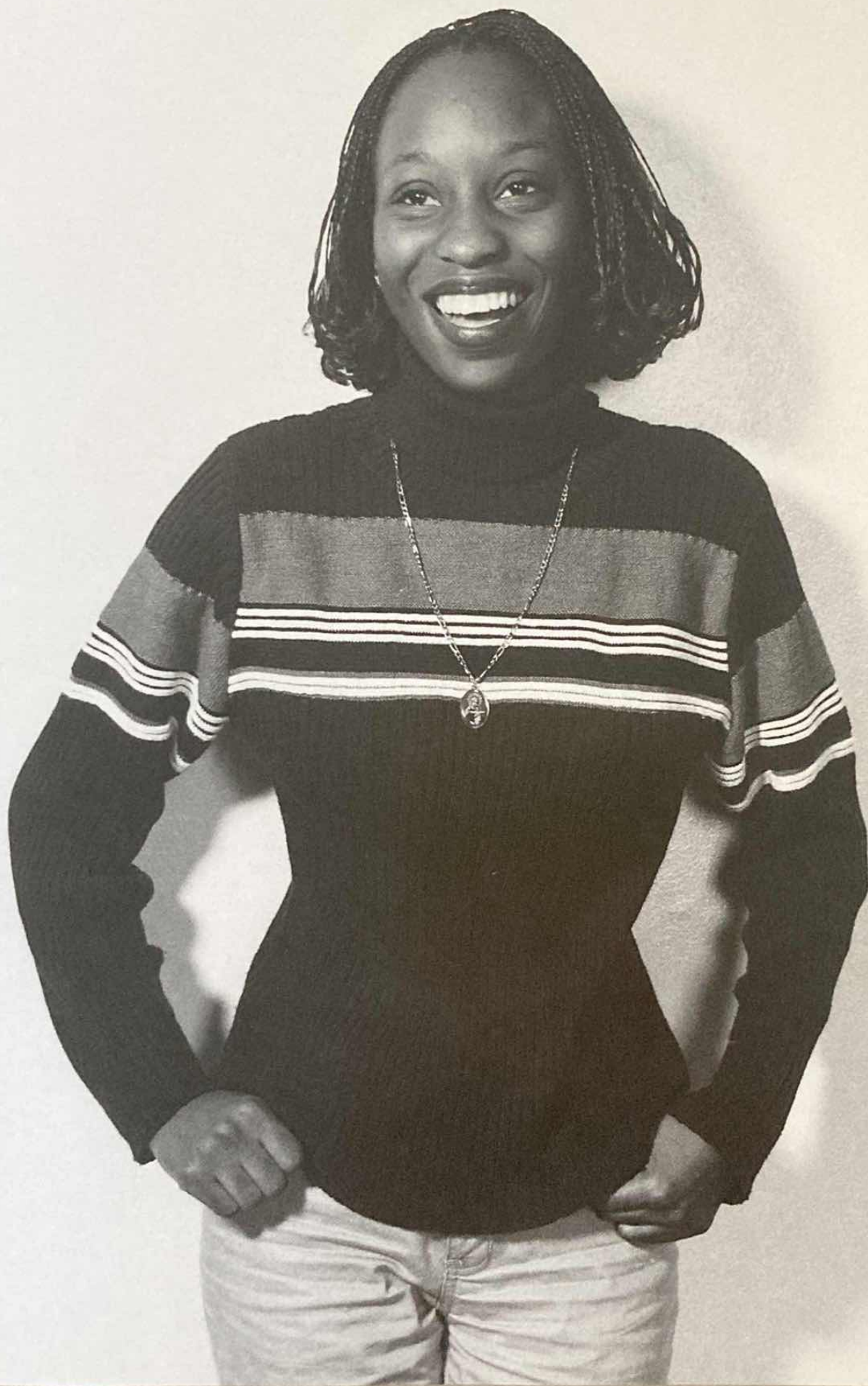
A-Mid-S
Pest Con



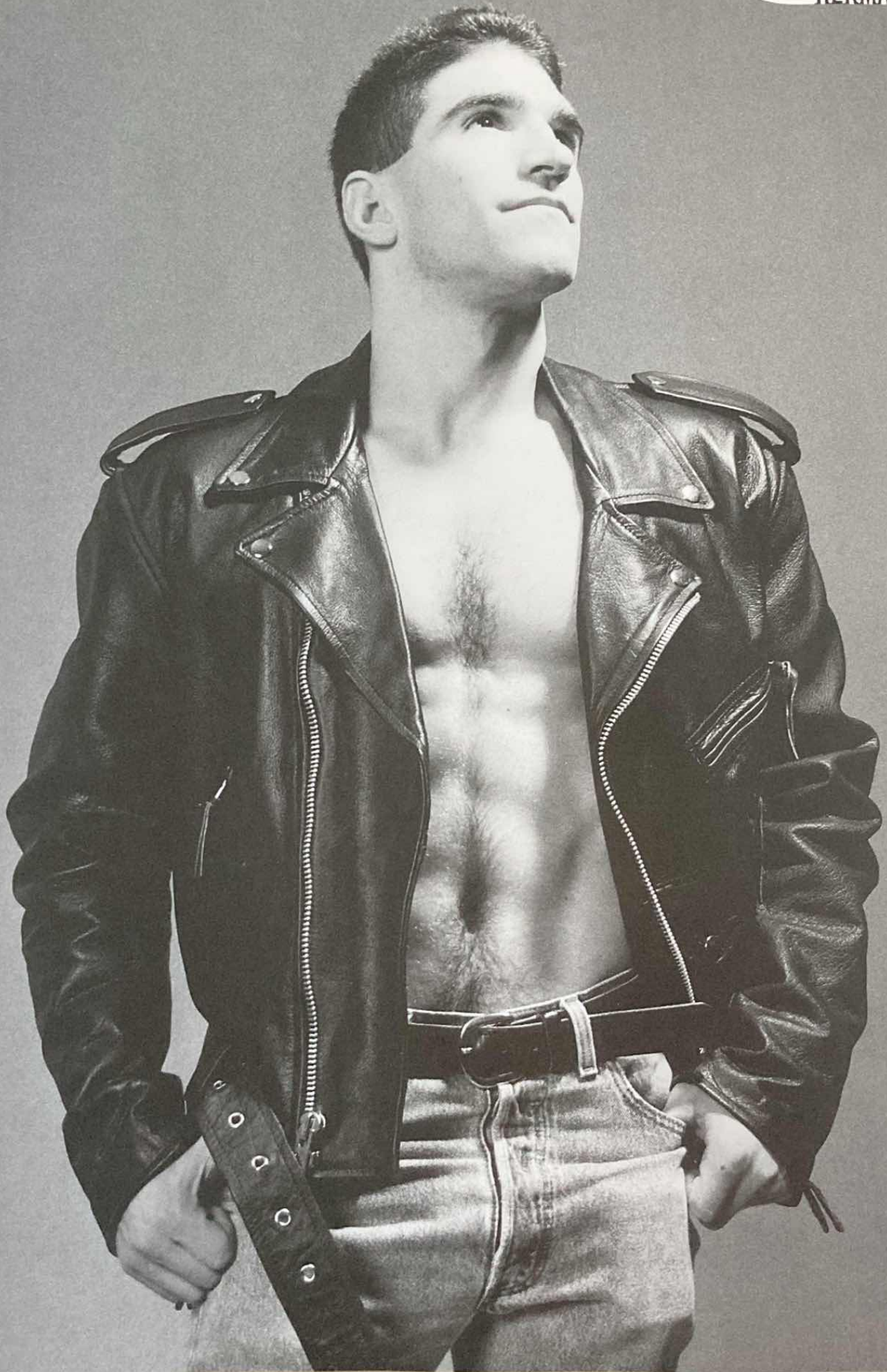
NSEI MISI

and most of all, to my mom and dad for believing in me and sacrificing a lot for my success.

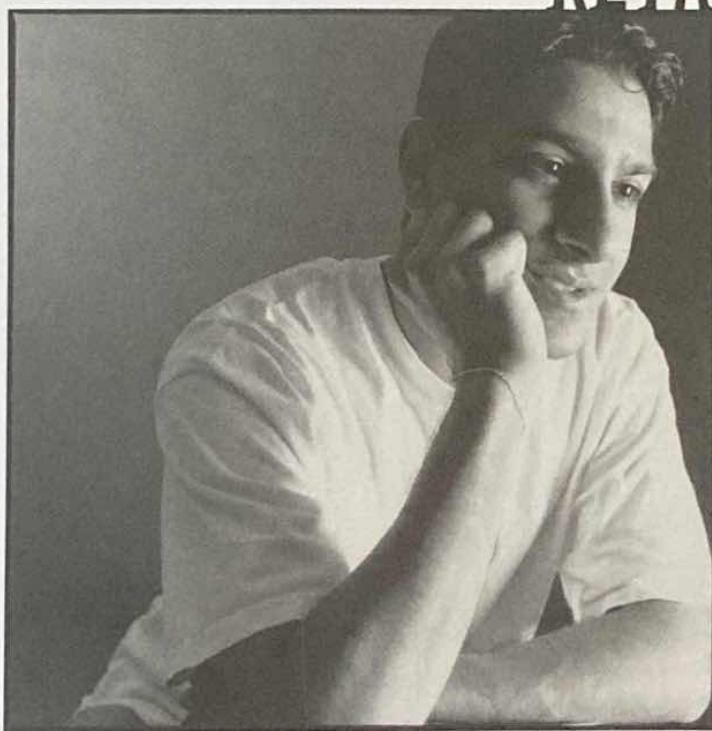
Thanks to my family, friends, teachers,



brådHERMAN

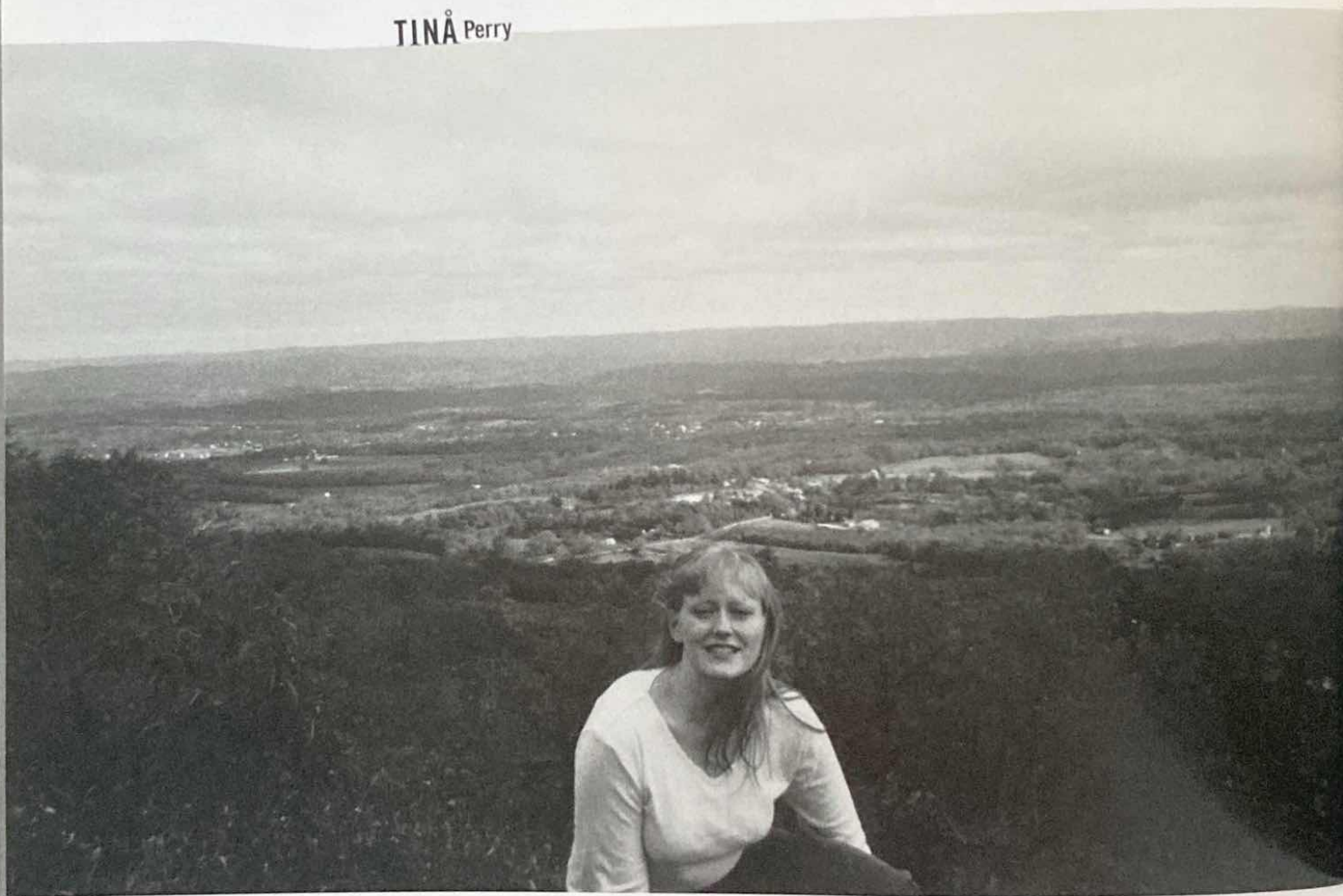


KETÅN



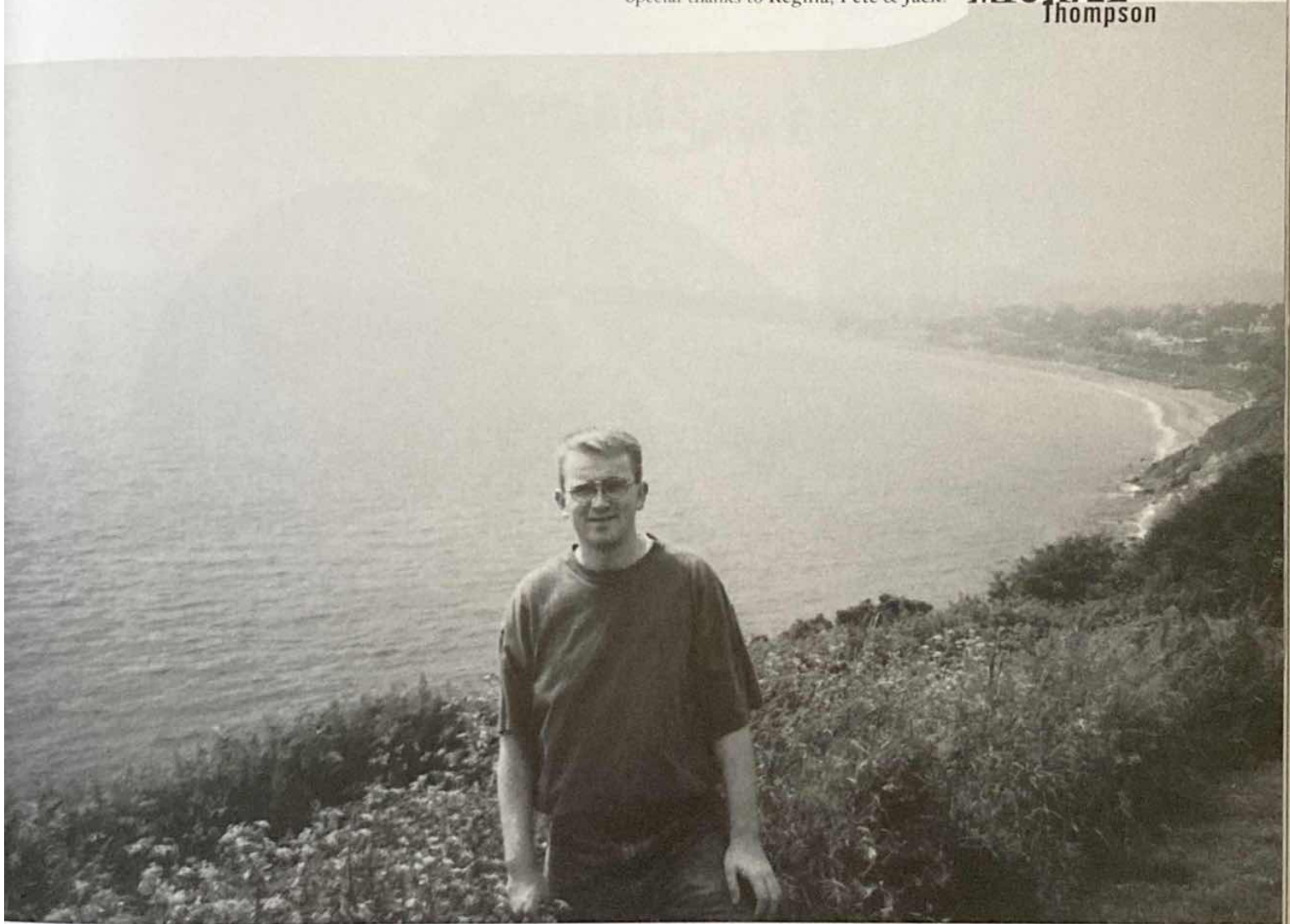
DOODHIÅ

TINÅ Perry



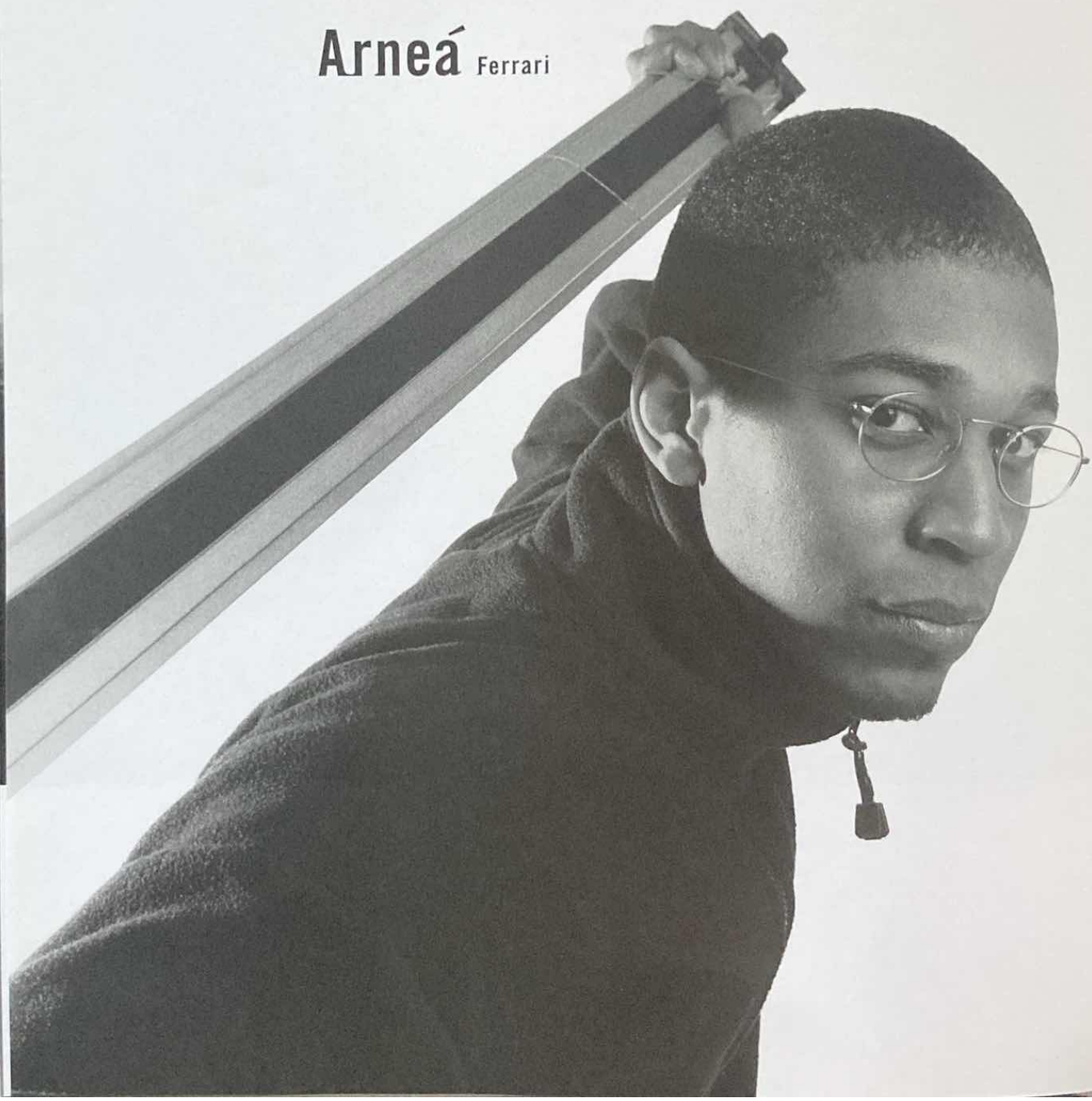
Thanks to my friends who made Cooper fun...Sangu, Ketan, Julie,
all the 4CE s & the 24th St. guys.
Special thanks to Regina, Pete & Jack.

MICHAEL
Thompson



Regina, thank you most, for all of your love.

Arneá Ferrari



James Cornell

Popular event to follow

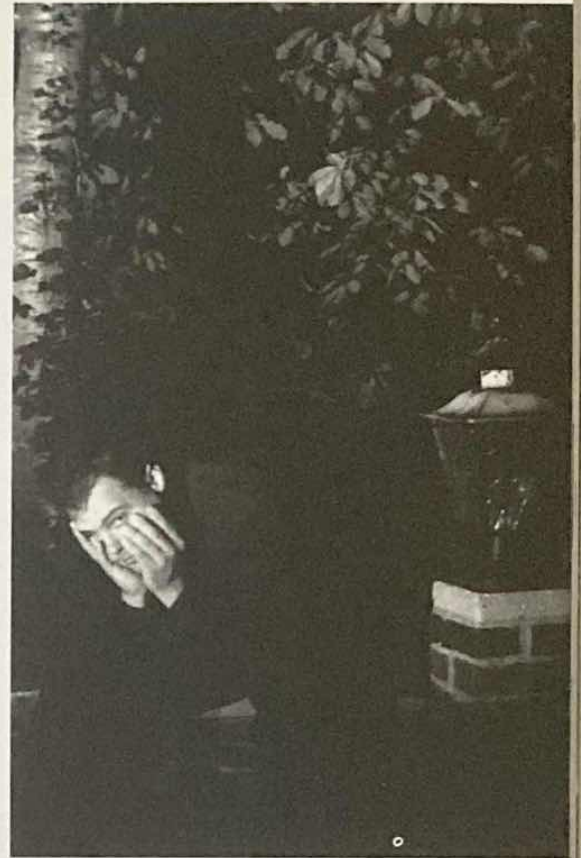
a

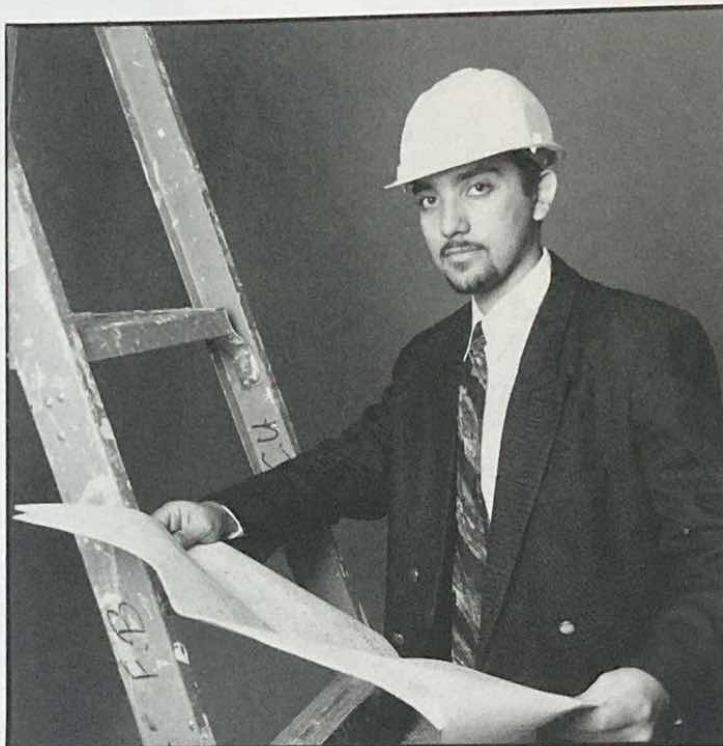
What slippage of the mind
Has been prepared for us?

I am confiding only in myself relative to the in
particular to a (mind sight)

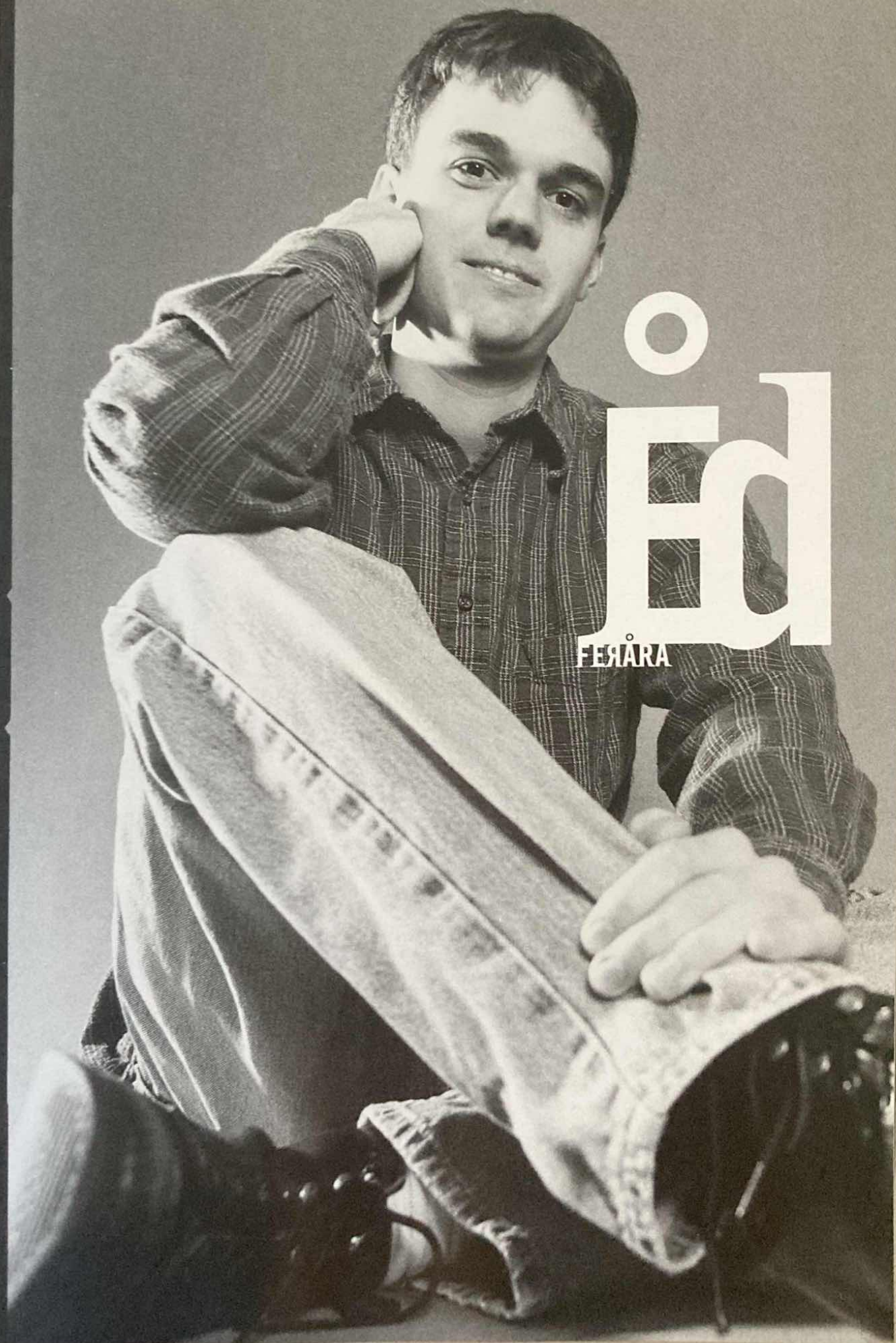
At times from an unspoken voice
A narrator if you will
The sounding of c
The explanation of b is voiced
Voided from the inner self

- James Cornell





YOUNES SOUNY-SLITINE



Ånand
RYATSA!

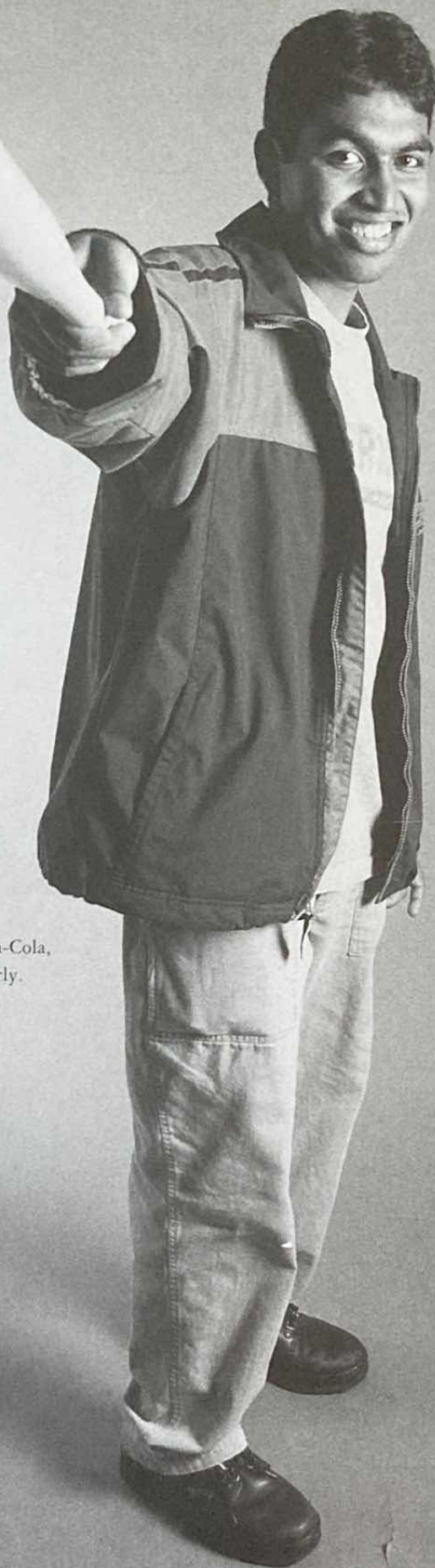
O Captain! my Captain!

Our fearful trip is done,
The ship has weather'd every rack,
the prize we sought is won.

Walt Whitman

Thanks for the good times Mr. Coca-Cola,
Wang Chung, Larry, Mo and Curly.

And especially Prathima,
Pramod, Amma and Appa.

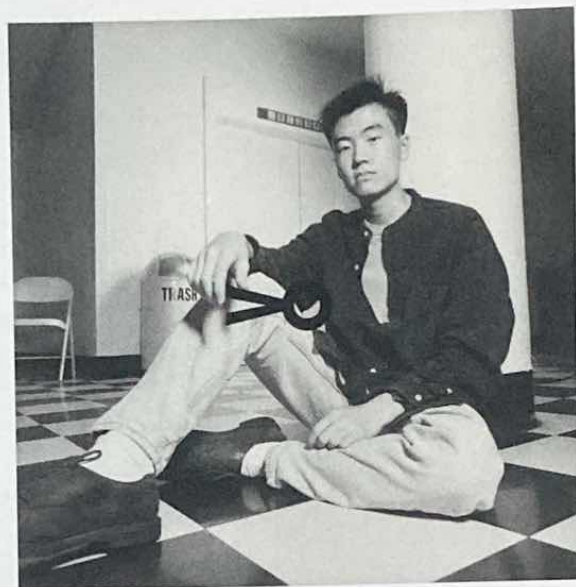


No matter how near or far apart we are, I will always be keeping you close to my heart.
14EB and I'm waiting by the tree.
Thank you Mom, Dad, Mary Ellen, Michael, Eddie and everybody
else for all of your help, encouragement and understanding.

Diane Porciello



I never would have made it without you. I love you all.



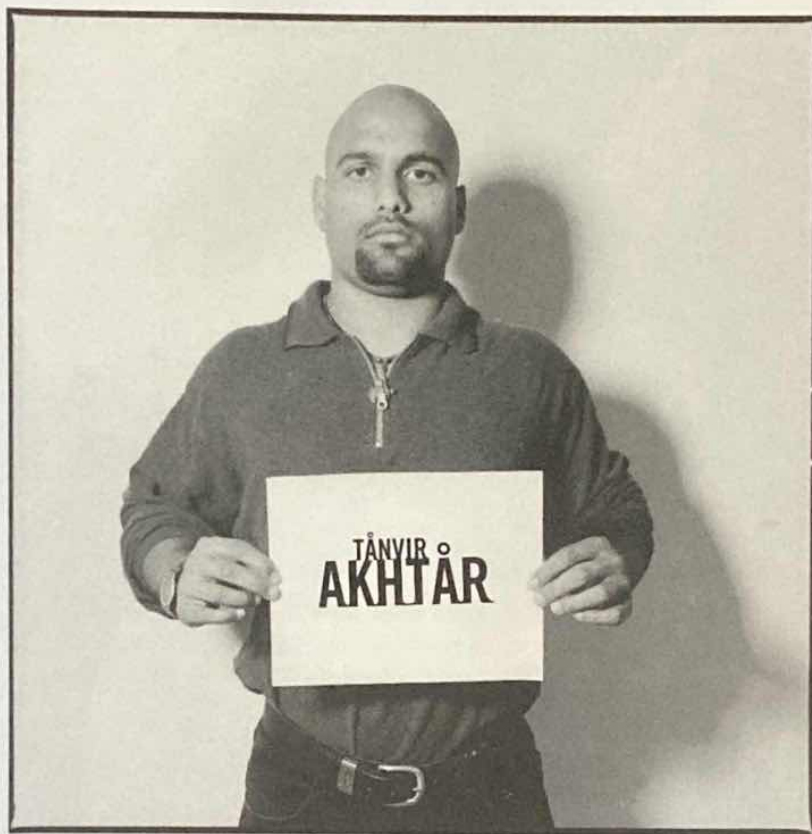
Calvin
CHÂN

NåRø LENTZ

Many hands and hearts and minds generally contribute to anyone's notable achievements.

...with deepest thanks





What does not kill me, makes me stronger.

F*#! it all with f*#! in no regrets.

Nietzsche

Metallica

I love the smell of napalm in the morning, smells like victory.

Be excellent!

Apocalypse Now

Bill & Ted

SIMCHIL
BLAUSTEIN

Thank you and love





Kim Bennett, Susân Wåatson, Jåne Hsu, Daria Tavoularis

This is what you wore in your previous life.
Better than cucumber sandwiches.

They said you were destined to be the next Hedy Lamarr.
Then you walked away from it all. I always admired that.



^{Robert}
Schwartz

I can picture in my mind a world without war, a world without hate. And I can picture us attacking that world, because they'd never expect it.

KELLEY
A

R
N
S

Jack Handey





JAMES VIGNONE

Thank you:

To God, through whom all things are possible,
even getting through Cooper Union.

To my mother, for loving me after all the aggravation I put her through for the past four years.

To everyone else who was there for me, for putting up with all the aggravation and indecision I gave them.



Danielle MONSEES

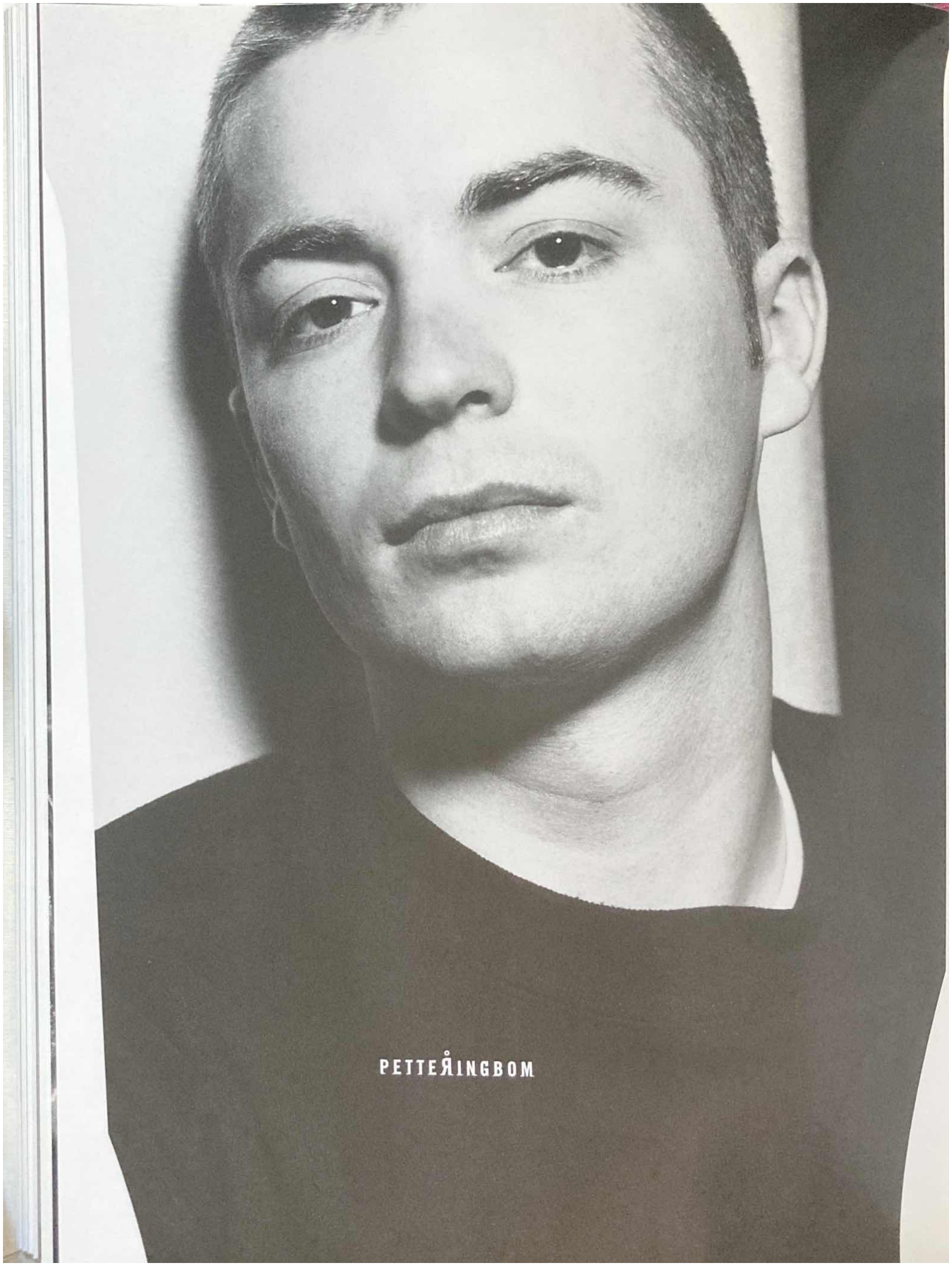
I wish we could all just stop,
and keep the same smiles and countless moments.



Reginå HOURIGÅN

I know we all have great places to go to,
but at least we own these memories.

My greatest possessions are my memories with you, **Mike**.



РЕТТЕЯІNGBOM





Tâmâr Perelmuter

Contrary to popular belief...

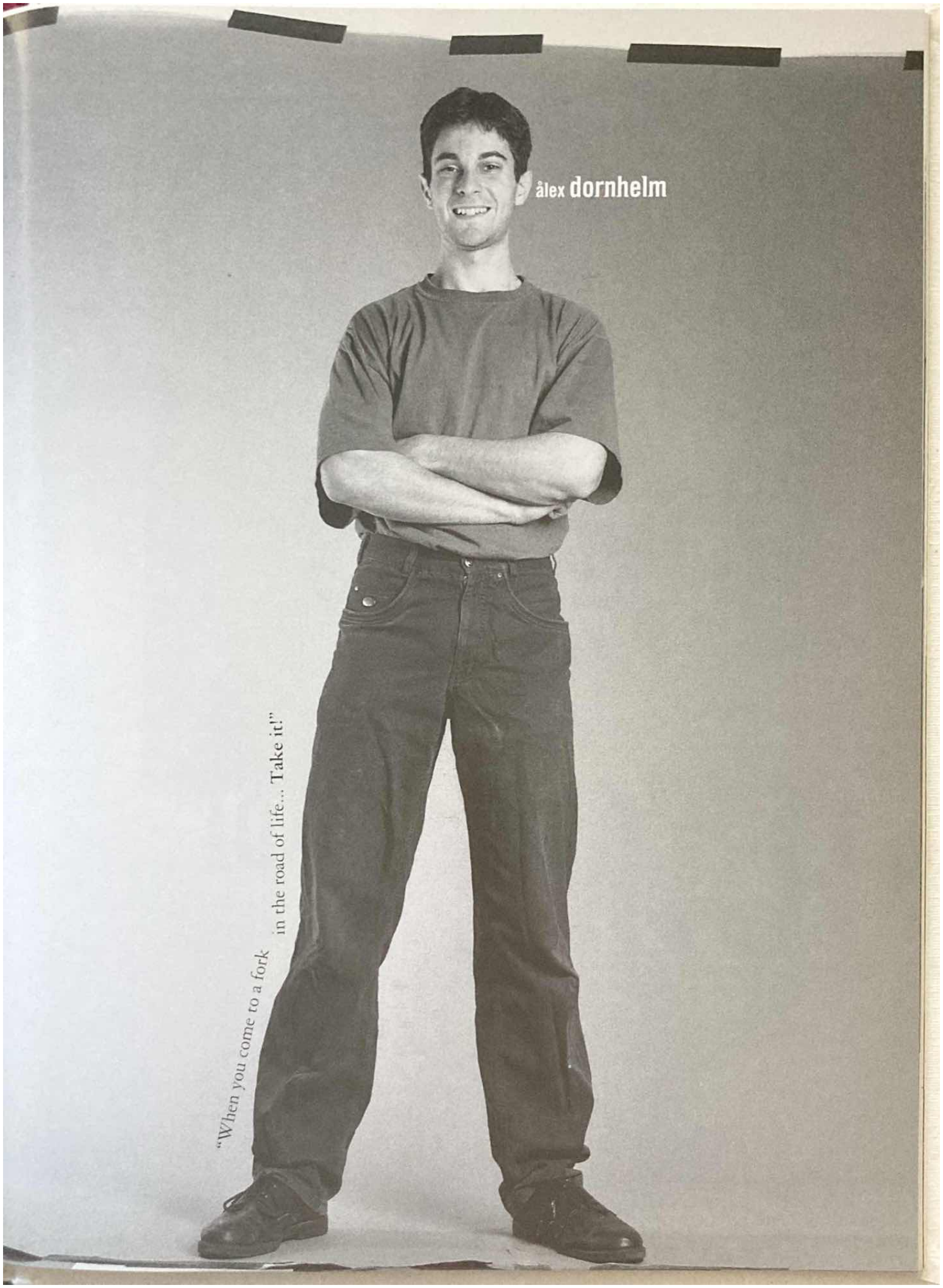


Chana Schoffman

...we are not one and the same person.



KATHLEEN.



alex dornhelm

*"When you come to a fork
in the road of life... Take it!"*



RAMZY AGADI

This world is but an antechamber to the World to Come.

Prepare yourself in the antechamber, so that you will be able to enter the main hall

The Mishna

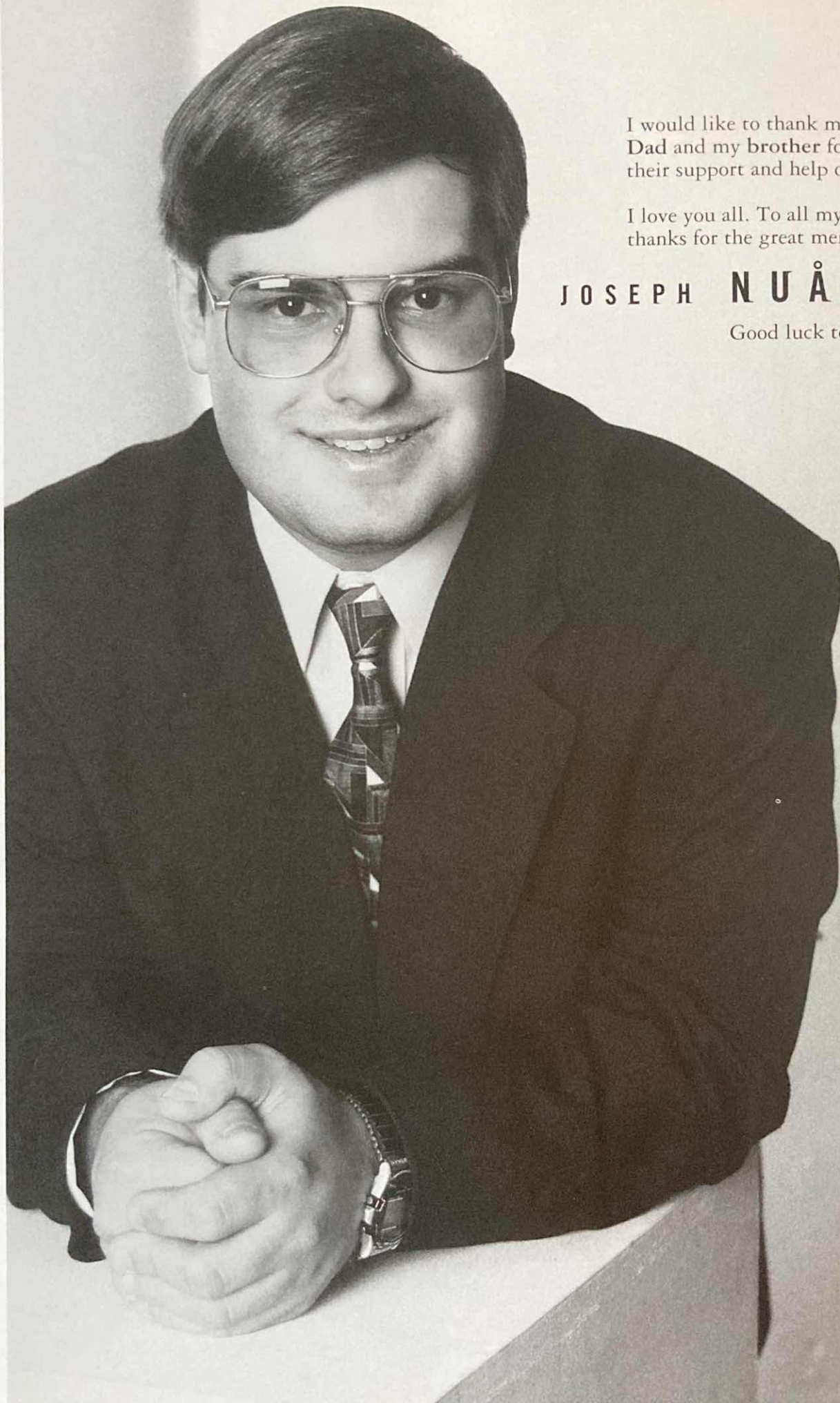
CARLO LEABRES



林

HUANG





I would like to thank my Mom,
Dad and my brother for all
their support and help over the years.

I love you all. To all my friends,
thanks for the great memories.

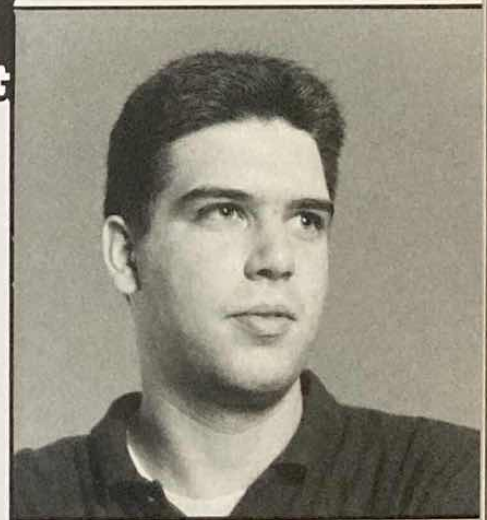
JOSEPH NUARA

Good luck to all of you!

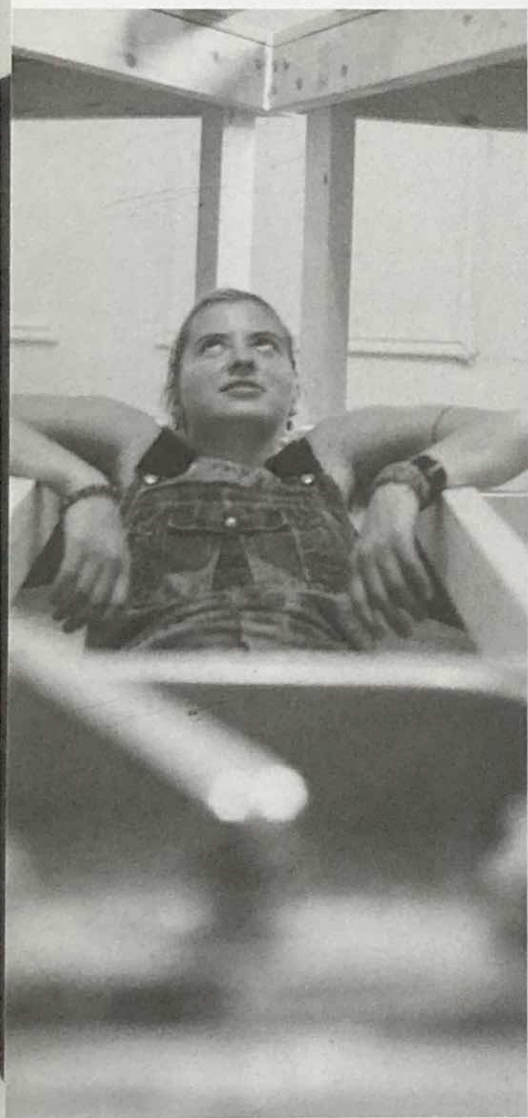
IT Å Y MOSHEMBERG

The only true wisdom is to know that you know nothing.

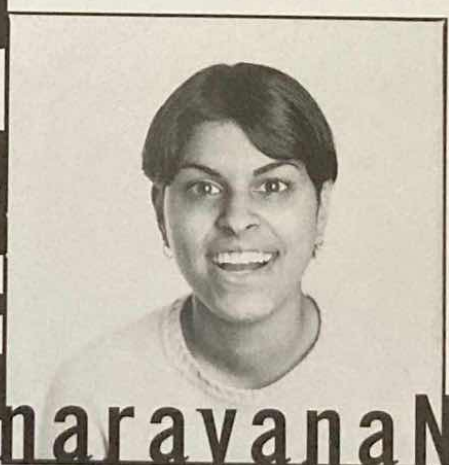
Socrates / Ted



AMY WESTPFAHL



MAJINI



RamanarayanaN

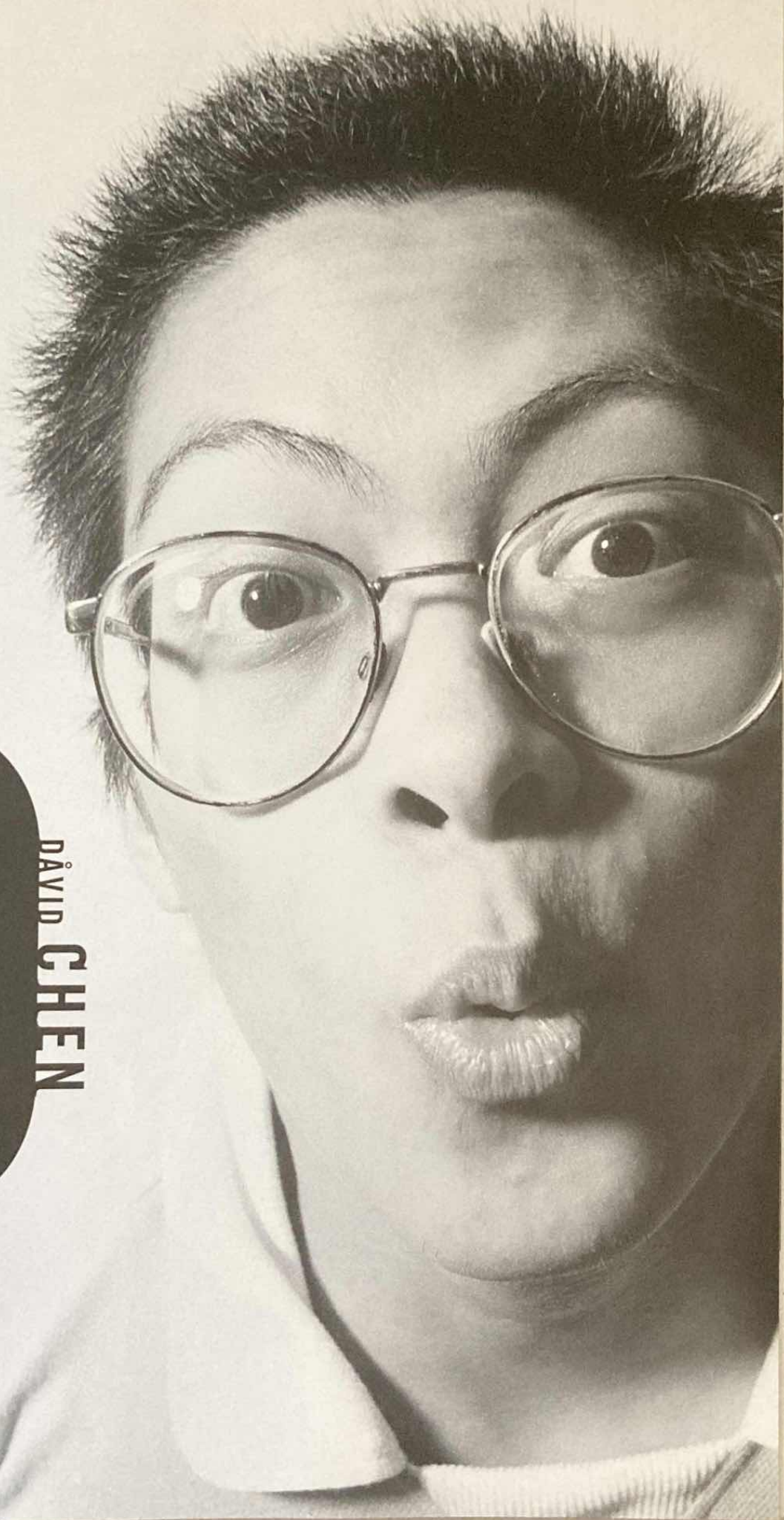


Peter KIM

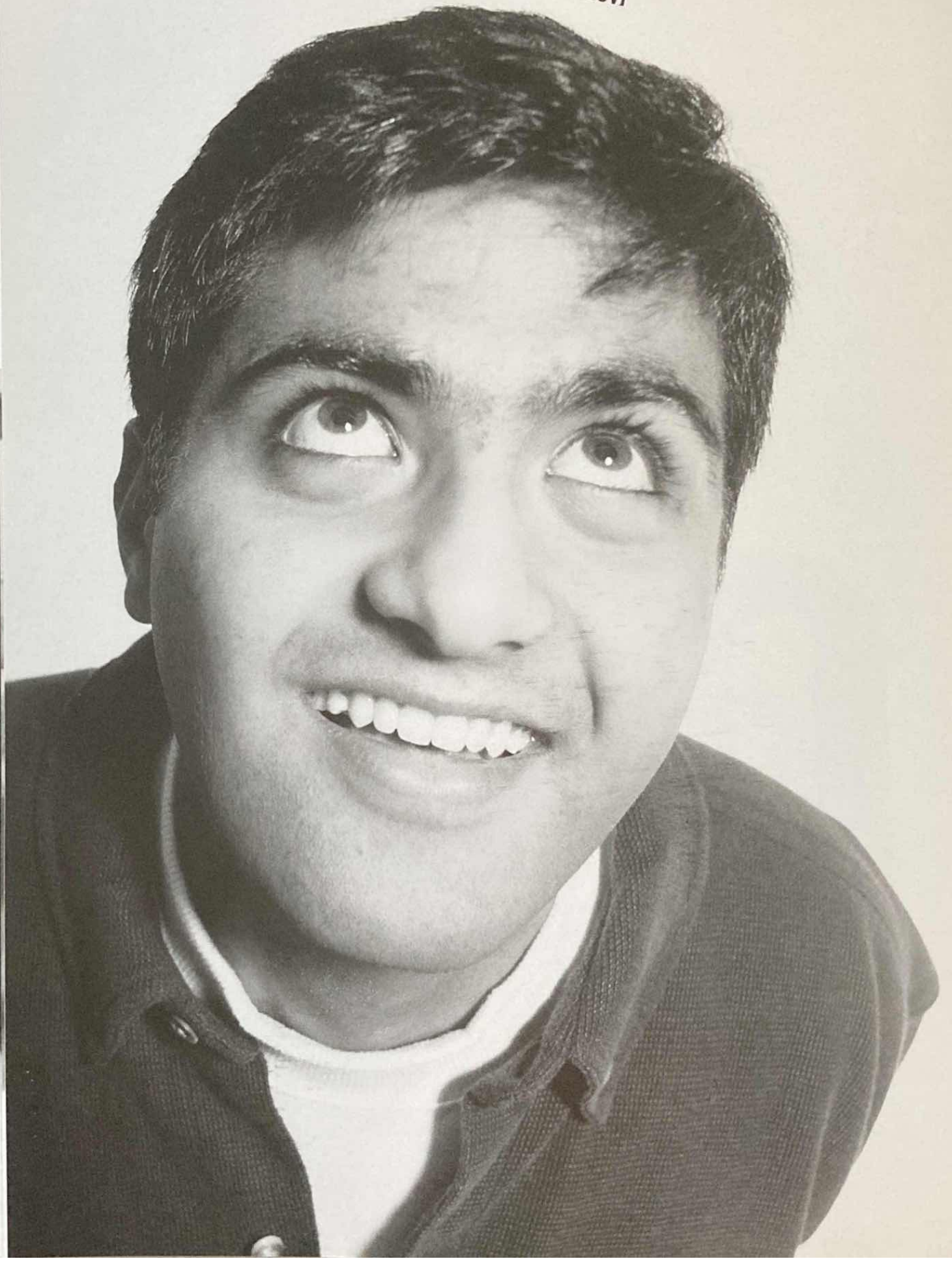
"What a waste it is to lose one's mind.
Or not to have a mind is being very wasteful. How true that is."
Dan Quayle

D

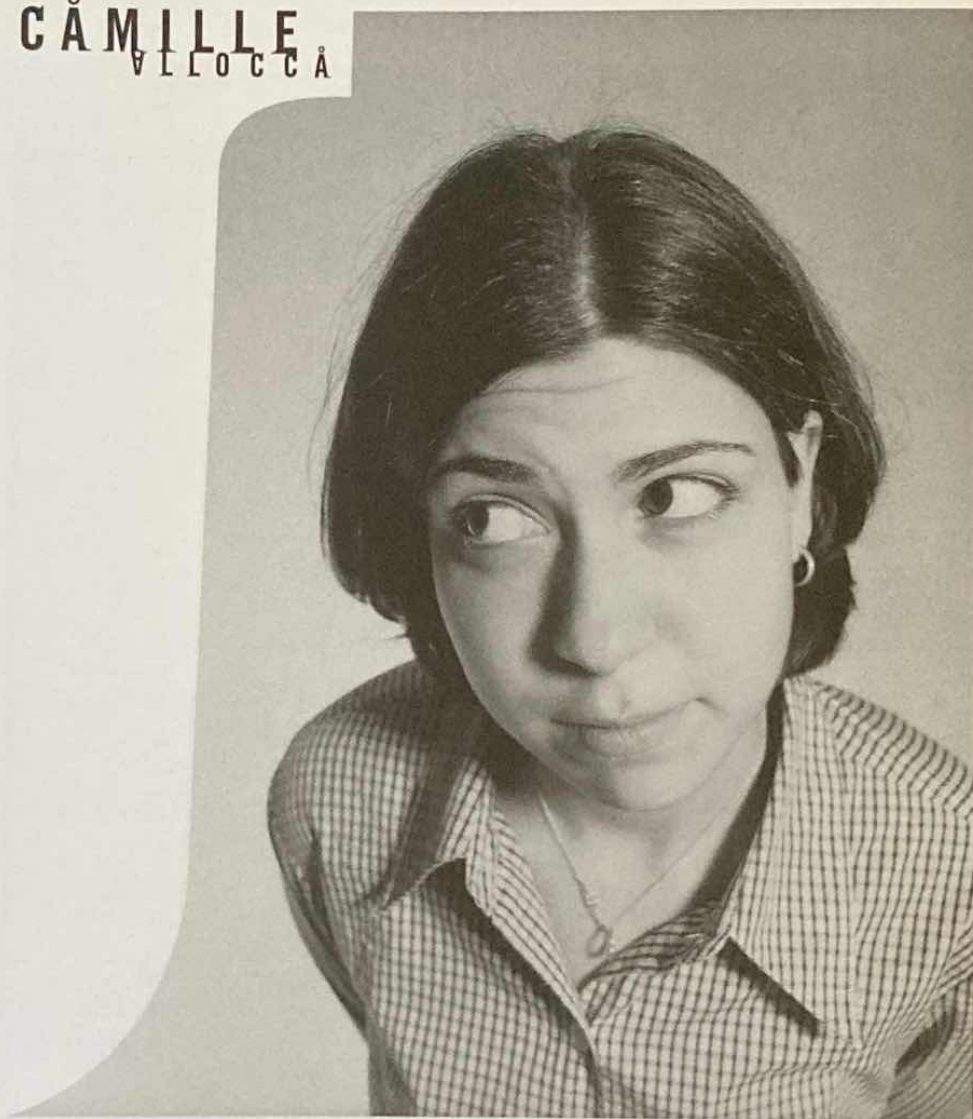
DAVID CHEN



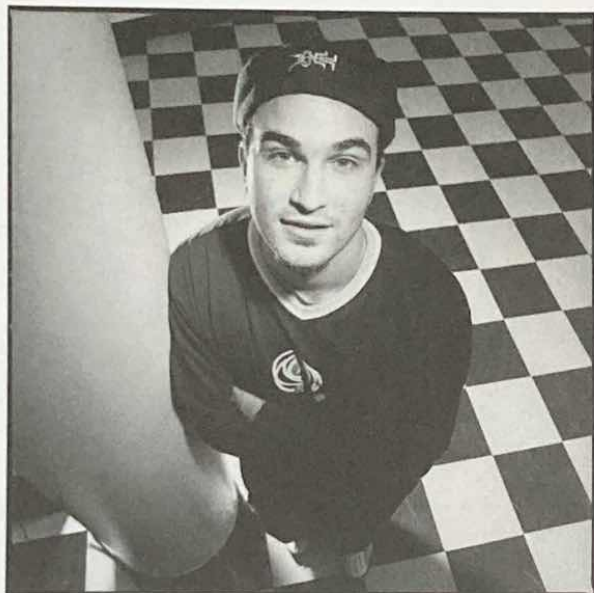
Yegnāswāmy
Sermādevi



CAMILLE
VILLOCCA



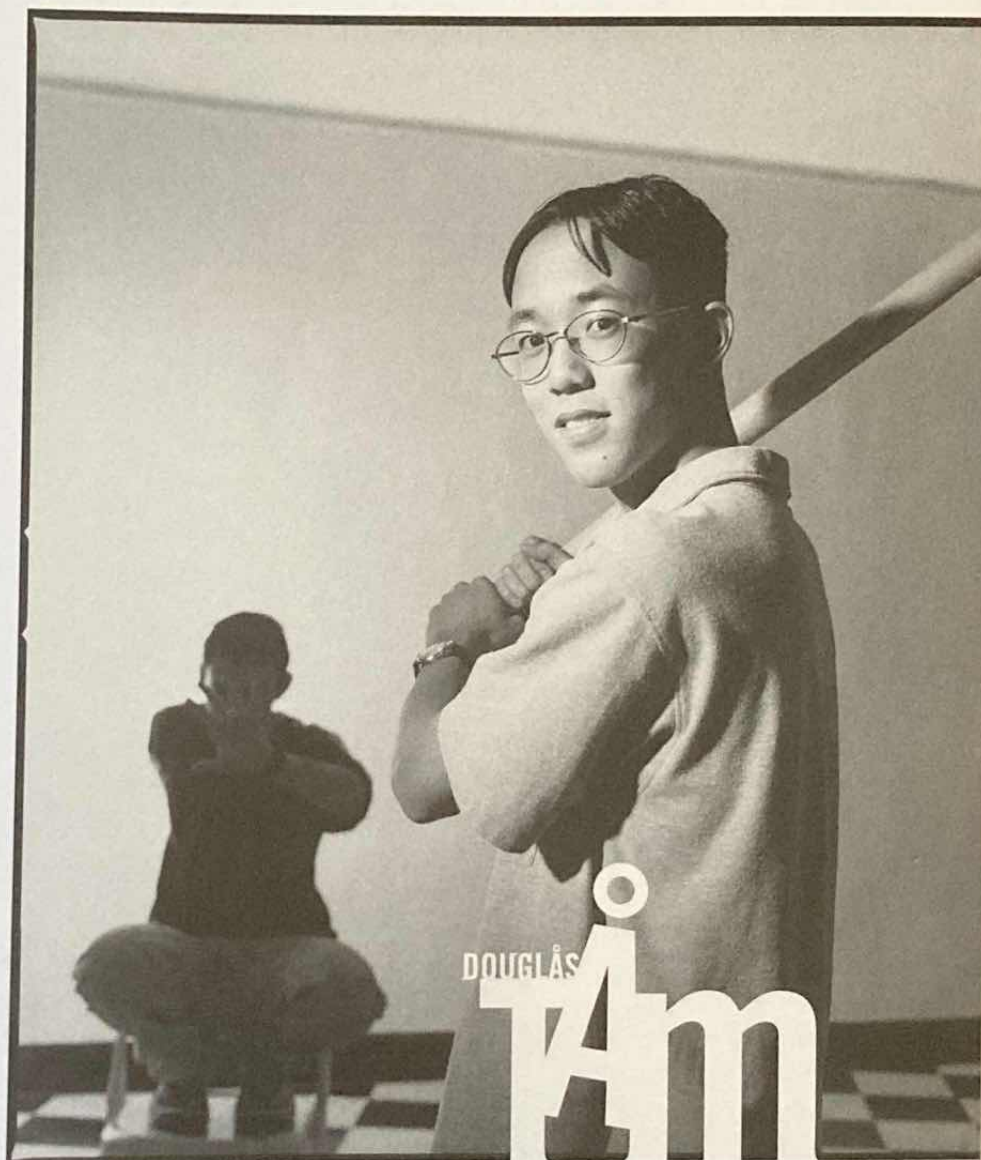
I try to take one day at a time, but sometimes several days attack me at once.
I can do anything through God, because He gives me strength. **Ashleigh Brilliant**



ARISTOPHANIS
PALLIKARIS

"We do have a soul,
even though it's
mathematic and electronic"

I'm not afraid of insects taking over the world, you know why?
It would take a billion ants to aim a gun at me, let alone fire it.

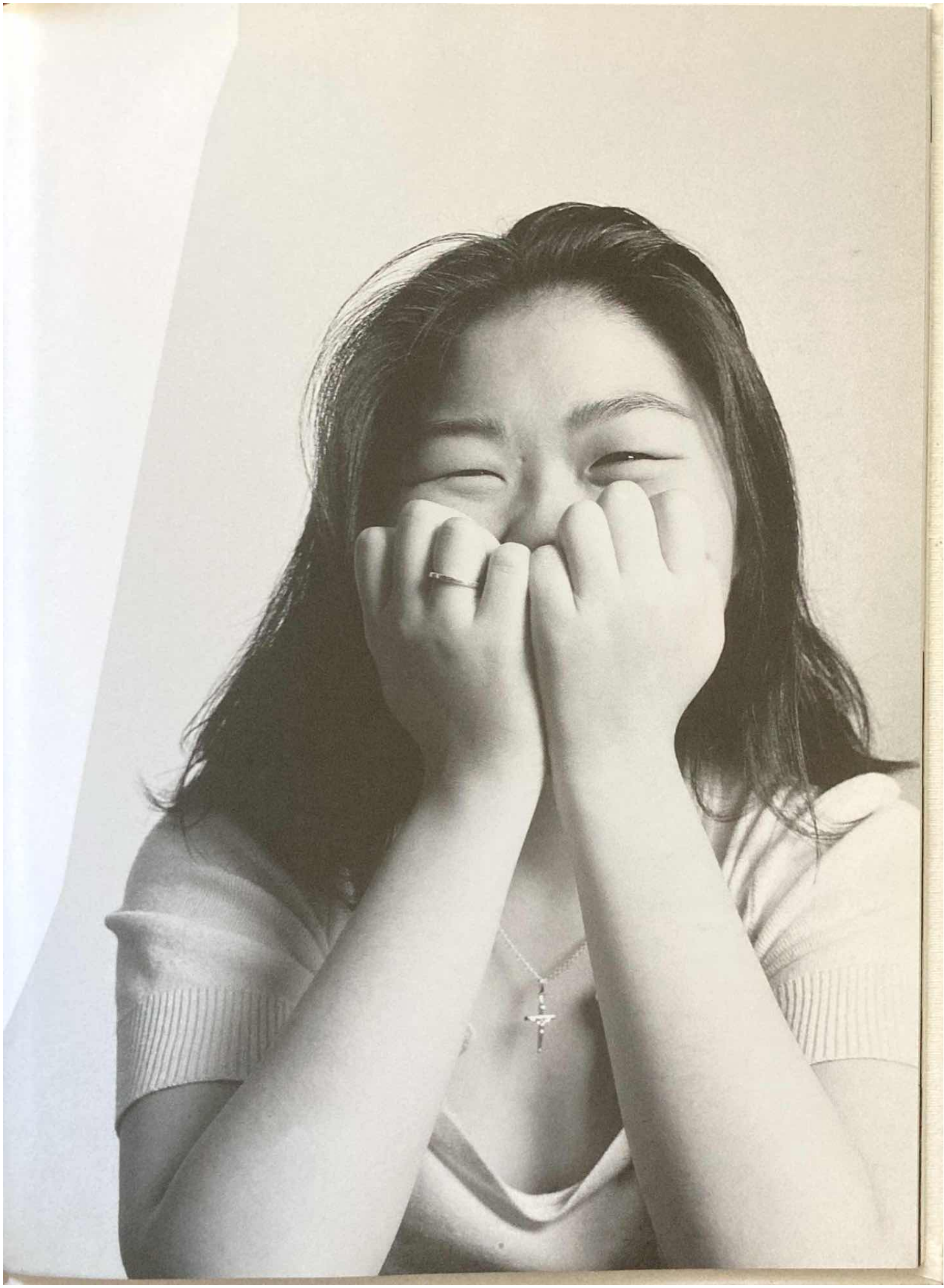


And you know what I'm doing while they're aiming?

I suddenly run up and kick the gun out of their hands.
Jack Handey

When I grow old and stop laughing, I'll know my life is over.
Jung-Yean Choi

JungYeanChoi



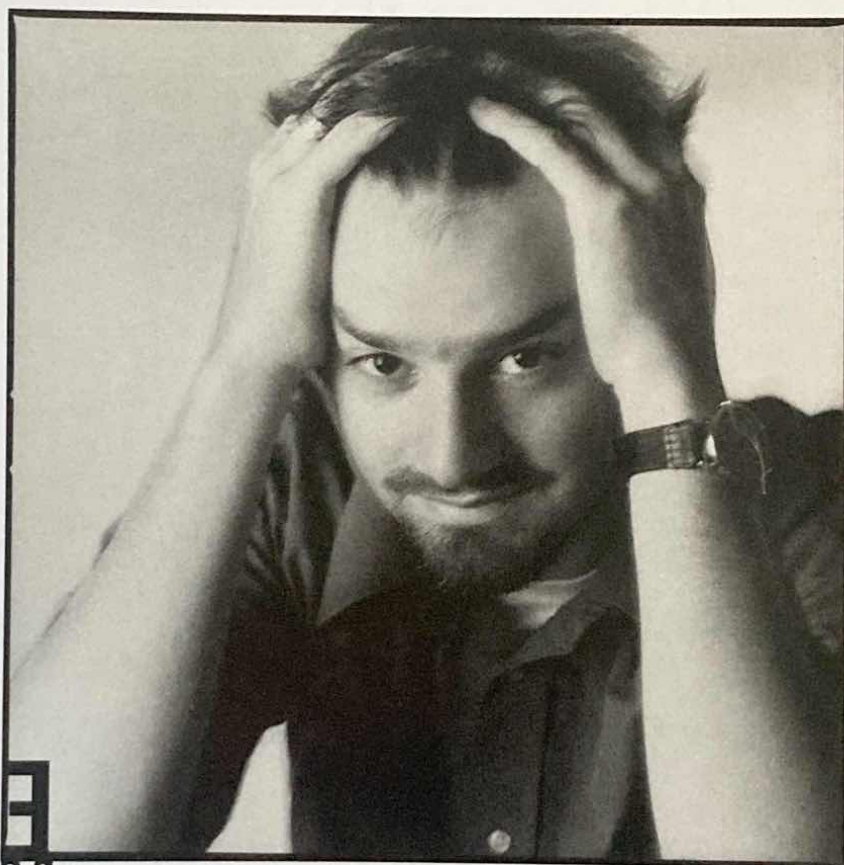


Philip **Hollander**

I learned a lot in college, most of which I've forgotten.
But there's one thing I will never forget.
I learned that I can do anything.

Thank you Cooper.

°
SERGE
GINZBERG



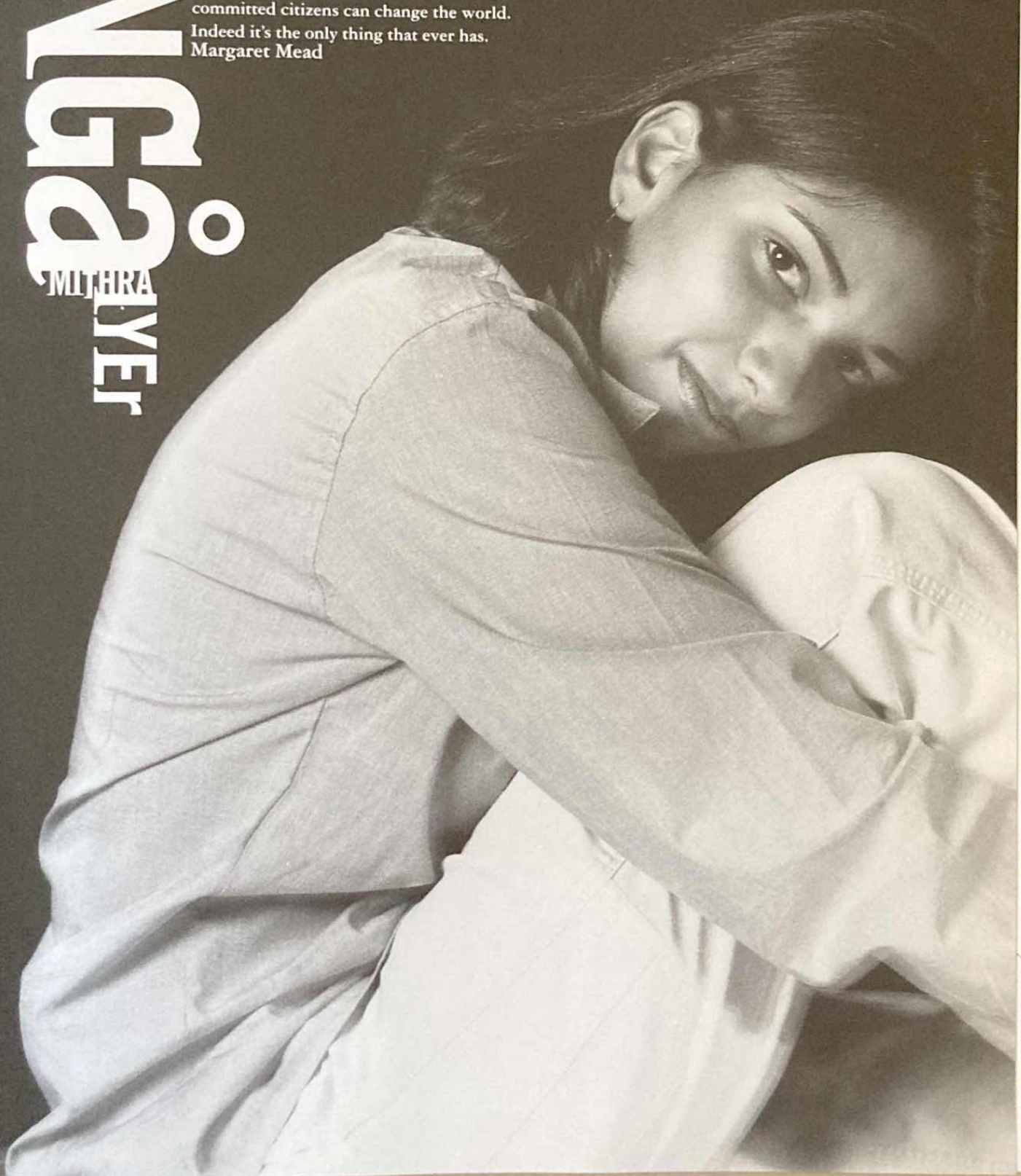


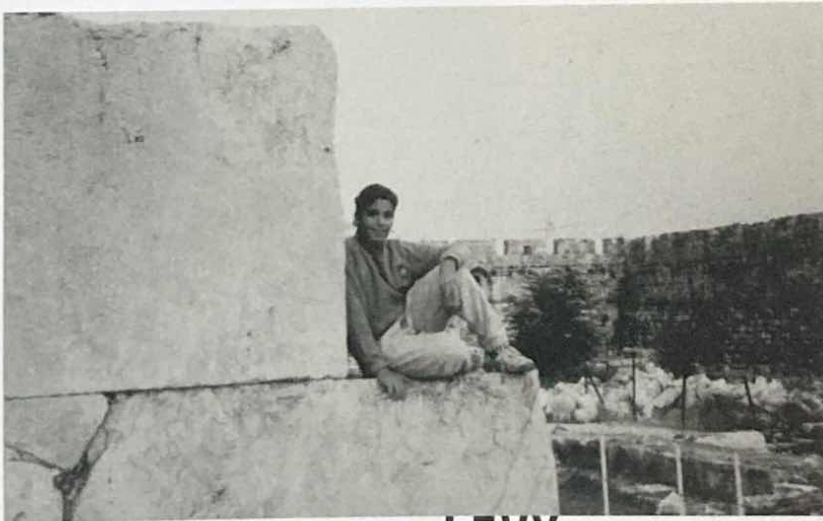
Haeran **Park**

SANGA

MULTIPLYER

Never doubt that a small group of thoughtful
committed citizens can change the world.
Indeed it's the only thing that ever has.
Margaret Mead





ISAAC **LEVY**



Nani TIPTON

It's the fire in my eyes
And the flash of my teeth
The swing of my waist
And the joy in my feet.

From *Phenomenal Woman*
by Maya Angelou



Jane

SHIN

Look at this stuff
isn't it neat?

wouldn't you think my collection's complete?
wouldn't you think I'm the girl
the girl who has everything?...

ariel

How fâr we have tråveled!
Where åre we heading?

We håve survived.
We will thrive.

Believe in your åbilities!

Thank you:
Mom and Dåd
I love you.

Everyone else (family, friends...) - you know who you åre.



Danielle **Berårði**

If A equals success, then the formula is

$$A = X + Y + Z$$

X is work

Y is play

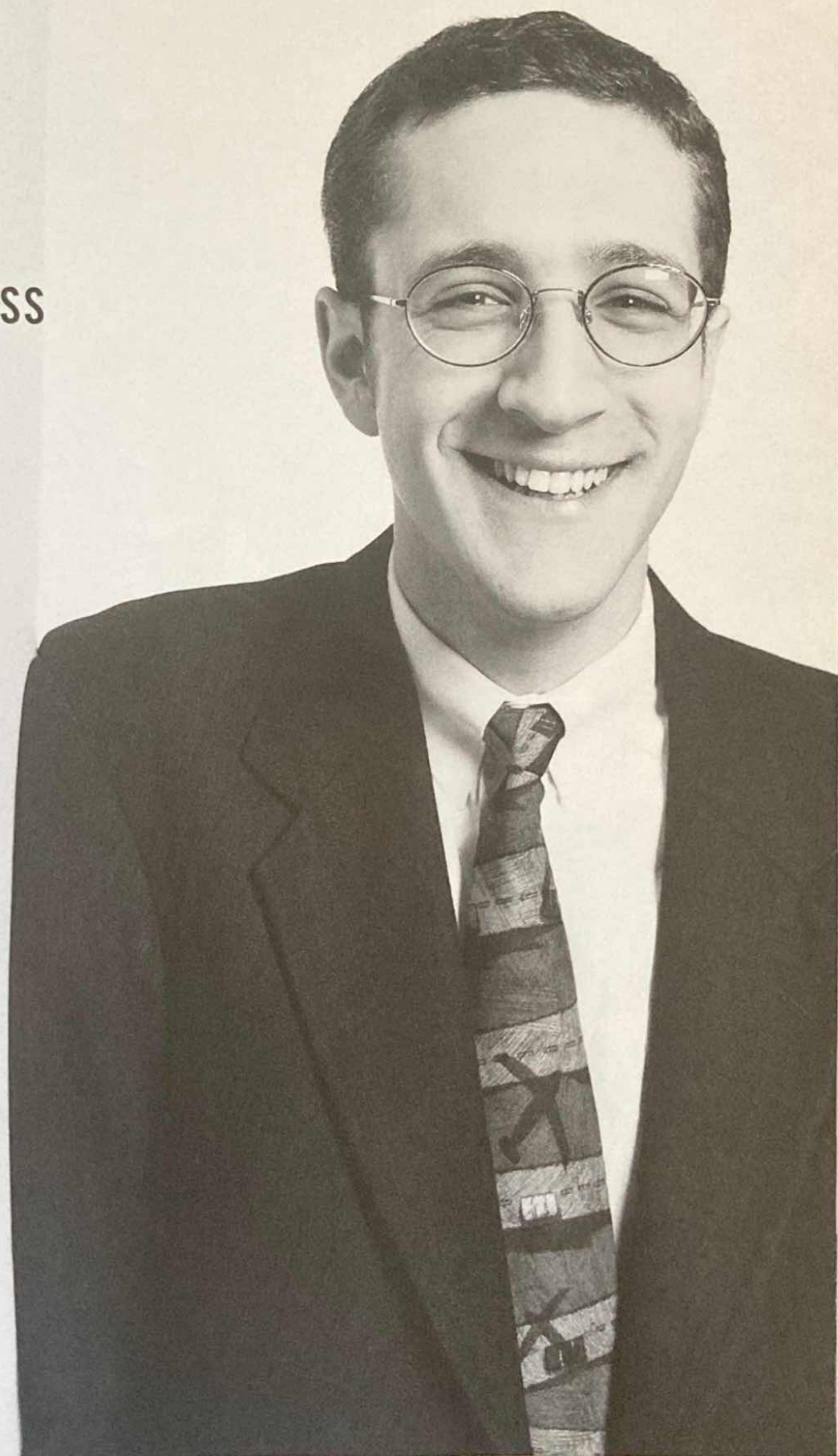
Z is keep your mouth shut

220Я nãtñsnol

Albert Einstein

0
WAFT LÅN
20Я

Jonathân **ROSS**





We (finally) made it!

A big "thank you" to everyone who's supported me academically, professionally, musically, and platonically over these last four years. You know who you are, and your friendship and support means a lot to me.

Extra love to Mom, Dad, SUPA-Emeritus, Queen Bee, Hayin, Jenny, Jennifer, D, the Cyndicate kru, and the Special Ops kru. Oh, and Senior ChemE's? You all are the bomb. We out!

MIKE LaRosà

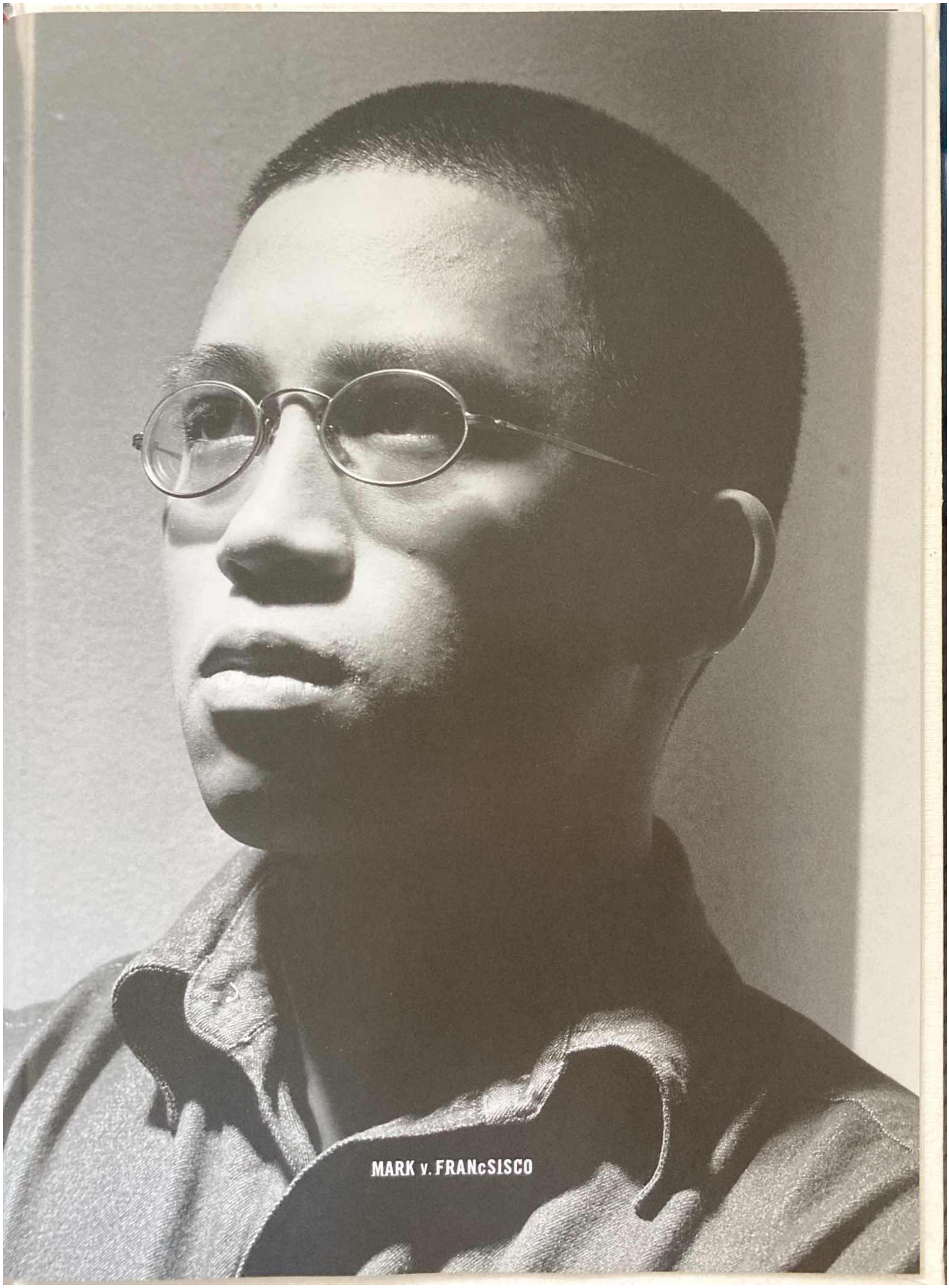


0010 010 010 010

Ålexânder Strâshny



"Simplicity is Beauty is Power"



MARK v. FRANCISCO



MAYÉR
CRYSTAL

What better way to describe the fickleness of life than the past four years.
A part of it was filled with happiness and the rest was left for sorrow.

New friendships bloom while old ones wither away from neglect.
Periods of intense liveliness sweep by followed by frustrating idleness.
In one moment, these will all become long ago memories, and fantasies dreamt up in your mind.

Life goes on. Ever changing. Never stopping.
Looking back, what do you find?
no day but today.

ANNING

CHEN



place
picture
here

PRESENT

School of Architecture: Yook Chan, Arnea Ferrari, Tirso Molina, Michelle Morrison, Tamas Szalczner, Jonathan Tramba, Yael Benaroya, Maria Westerstahl, Angelo Zaharatos, Victoria Zaretsky, Jennifer Zelinski

School of Art: Kim Bennett, Heung Chin, Hyun Chung, Kerry Debruce, Wilfredo Diaz, Thomas Gallagher, Agnieszka Gasparska, Alex Hartley, Jâÿ Hillyer, Jane Hsu, Megan McEntire, Danielle Monsees, Otto Peterson, Brahm Revel, Petter Ringbom, Frankie Rodriguez, Vincent Serritella, Sanchez Stanfield, Wonsun Sul, Anthony Thompson, Jovan Villalba, William Villalongo, Susan Watson, Mark Wells, Amy Westpfahl

School of Engineering: Ramy Agadi, Tanvir Akhtar, Mary Alestra, Camille Allocca, Stephen Au, Jean Barmash, Danielle Berardi, Simcha Blaustein, Steven Block, Joseph Bush, Alain Carlos, Thomas Carragher, Michael Cartaya, Rocco Cetera, Calvin Chan, Soumyabrata Chaudhuri, Anning Chen, David Chen, Jack Chen, Jung-Yean Choi, Himadri Choudhury, Wesley Chung, Pierce Cleary, Elizabeth Colore, Mayer Crystal, Eran Dekel, John Dening, Milton Diaz, Ketan Dodhia, Curt Doernberg, Alex Dornhelm, Ed Ferrara, Mark Francisco, James Gaughan, Serge Ginzburg, Biagio Goetzke, Kate Green, Martin Haines, Brad Herman, Blas Hernandez, Ryu Hijioka, Philip Hollander, Regina Hourigan, JinJin Huang, Kathleen Irwin, Sangamithra Iyer, Selwyn Jacob II, Kelley Kearns, Tara Keller, Peter Kim, Abraham Kinney, Aleksandr Krutovskiy, Michael LaRosa, Carlo Leabres, Kara Lentz, Isaac Levy, Samuel Lo, Kevin Mackie, Pragati Mehta, Ismini Miliareisis, Nsel Misi, Gabrielle Moore, Peter Murphy, Joseph Nahmias, Joseph Nuara, Aristophanis Pallikaris, Jung Ho Park, Milos Pavlovic, Tamar Perelmuter, Christina Perry, Diane Porciello, Malini Ramanarayanan, Jonathan Ross, Angel Sampaga Jr., Chana Schoffman, Robert Schwartz, Yegnaswamy Sermadevi, Jane Shin, Hang Fai Shum, Akiva Sklar, Younes Souny-Slitine, Anand Srivatsa, Alexander Strashny, Douglas Tam, Sheila Tandon, Michael Thompson, Karina Tipton, James Vignone, Raluca Vrabie

place
picture
here

MISSING

School of Art: Boshra Al-Saadi, Adam M. Bayer, Robert Branch, David Brooks, Ernesto L. Caivano, Adam Decroix, Eric O. Fehlberg, John V. Fragala, Aimee M. Genell, Pedro N. Gonzalez, James G. Gudat, Joohee Ham, Mark W. Hammond, Matthew C. Hansel, Ben Hilts, Thomas E. Hines, Michael J. Houk, Hai Si Hu, Jessica L. John, Mike D. Jump, Haena Kang, Joanna I. Kelly, Peter Lasch, Bethan Lonergan, Jill S. Mandelbaum, Anna Muslimova, Robert S. Nelson, Ida Pearl, Robert L. Rangel, John E. Roche III, Brent Schumann, Jee Jung Sim, Tennison J. Song, Theo Stewart-Stand, Nak-Young Sung, Mailani G. Tauzon, Oscar M. Tauzon, Mike Y. Zhou, Clay J. Zimmerman

School of Architecture: Yuri S. Fuentes-Birchwood, Yook Wah Chan, Gregory E. Dufner, John A. Hartmann, Adam Kovacevic, Chi-Hsiu Lee, Michael G. Markert, Dan Misri, Perry A. Neuhaus, Troy Ostrander, Beatrice Popoiu, Monica Tiulescu, Thomas K. Tsang, Svetlana Tverskaya, Jonus I. Ademovic, Michael J. Behrman, Moeno Wakamatsu

School of Engineering: Stacey A. Bhaerman, Eric Bjurstrom, Aaron J. Boros, Neil B. Buchalter, August R. Buerkle, Gerardo Gardone, Damee Choi, Carlos Cortes, Maxim Frayer, Douglas B. Henderson, Brian I. Jaffee, Lee-Jung Kim, John Lin, Yang-Kai Lin, Edward I. Magidenko, Edy Moscoso, Nadia K. Pervez, David Peis, Yotaro O. Sherman, Kimberly Tines, Lawrence M. Yau, Man H. Yiu, Masakuni Yoshikawa



William Villalongo

Design and Photography Consultant



Jäy(lo)

Hillyer

Art Direction and Design



Charlie Pizzarello

Studio Photography

Jäylo, Wildog and Charlie lo would like to thank the following...

Jean Barmash & the Senior Council

Norman Sanders

The boys at <www.choppingblock.com>

Mike Essl (someone told us to mention him)

Mindy Lång

Adobe for Command Z

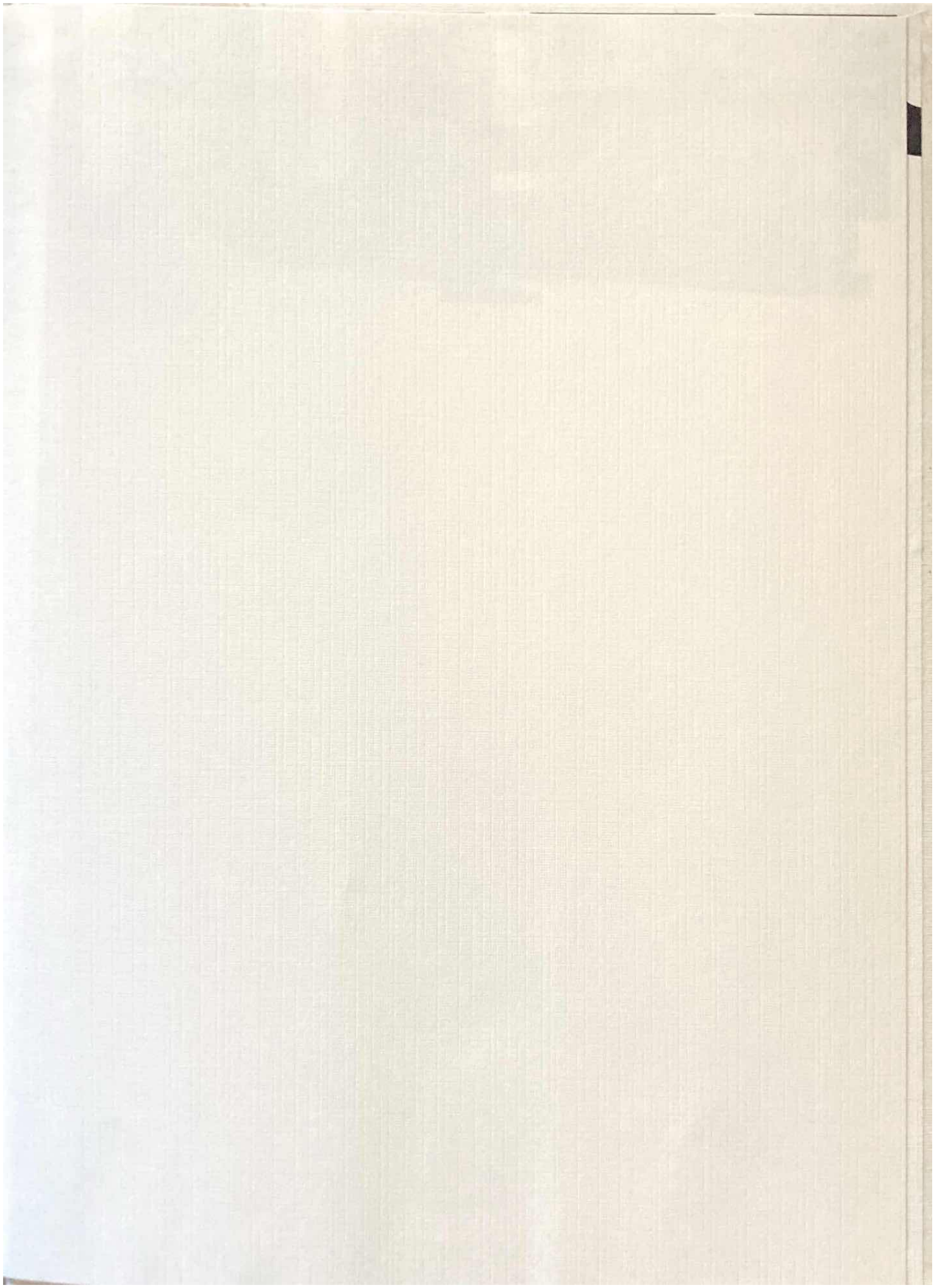
Linda Lemiesz

*Danielle Patterson

Raymond Mark and Michal Ráz-Russo

Special thanks to Rise Graphics for their patience
and last but not least, Dean Robert Rindler





1900

五十二



Sword & Shield

When Peter Cooper opened the doors of his institute, the citizens of the City flocked in. Many aspiring New Y

Through intensive study, original inte